SEQUENCE LISTING

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<120> HUMAN TRANSMEMBRANE PROTEINS

<130> PF-0526 PCT

<140> To Be Assigned
<141> Herewith

<150> 60/087,260; 60/091,674; 60/102,954; 60/109,869
<151> 1998-05-29; 1998-07-02; 1998-10-02; 1998-11-24

<160> 158

<170> PERL Program

<210> 1
<211> 240
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte Clone No: 153831

<400> 1

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Met Gly Asn Cys Gln Ala Gly His Asn Leu His Leu Cys Leu Ala
  1               5                  10                  15
His His Pro Pro Leu Val Cys Ala Thr Leu Ile Leu Leu Leu Leu
             20                  25                  30
Gly Leu Ser Gly Leu Gly Leu Gly Ser Phe Leu Leu Thr His Arg
             35                  40                  45
Thr Gly Leu Arg Ser Pro Asp Ile Pro Gln Asp Trp Val Ser Phe
             50                  55                  60
Leu Arg Ser Phe Gly Gln Leu Thr Leu Cys Pro Arg Asn Gly Thr
             65                  70                  75
Val Thr Gly Lys Trp Arg Gly Ser His Val Val Gly Leu Leu Thr
             80                  85                  90
Thr Leu Asn Phe Gly Asp Gly Pro Asp Arg Asn Lys Thr Arg Thr
             95                 100                 105
Phe Gln Ala Thr Val Leu Gly Ser Gln Met Gly Leu Lys Gly Ser
            110                 115                 120
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Ser Ala Gly Gln Leu Val Leu Ile Thr Ala Arg Val Thr Thr Glu
                125                 130                 135
Arg Thr Ala Gly Thr Cys Leu Tyr Phe Ser Ala Val Pro Gly Ile
                140                 145                 150
Leu Pro Ser Ser Gln Pro Pro Ile Ser Cys Ser Glu Glu Gly Ala
                155                 160                 165
Gly Asn Ala Thr Leu Ser Pro Arg Met Gly Glu Glu Cys Val Ser
                170                 175                 180
Val Trp Ser His Glu Gly Leu Val Leu Thr Lys Leu Leu Thr Ser
                185                 190                 195
Glu Glu Leu Ala Leu Cys Gly Ser Arg Leu Leu Val Leu Gly Ser
                200                 205                 210
Phe Leu Leu Leu Phe Cys Gly Leu Leu Cys Cys Val Thr Ala Met
                215                 220                 225
Cys Phe His Pro Arg Arg Glu Ser His Trp Ser Arg Thr Arg Leu
                230                 235                 240
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<210> 2
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 350629

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<400> 2
Met Glu Gly Leu Arg Ser Ser Val Glu Leu Asp Pro Glu Leu Thr
  1                 5                  10                  15
Pro Gly Lys Leu Asp Glu Glu Met Val Gly Leu Pro Pro His Asp
                 20                  25                  30
Ala Ser Pro Gln Val Thr Phe His Ser Leu Asp Gly Lys Thr Val
                 35                  40                  45
Val Cys Pro His Phe Met Gly Leu Leu Leu Gly Leu Leu Leu Leu
                 50                  55                  60
Leu Thr Leu Ser Val Arg Asn Gln Leu Cys Val Arg Gly Glu Arg
                 65                  70                  75
Gln Leu Ala Glu Thr Leu His Ser Gln Val Lys Glu Lys Ser Gln
                 80                  85                  90
Leu Ile Gly Lys Lys Thr Asp Cys Arg Asp
                 95                 100
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<210> 3
<211> 416
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 729171

<400> 3

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Met Ser Gly His Arg Ser Thr Arg Lys Arg Cys Gly Asp Ser His
  1               5                  10                  15
Pro Glu Ser Pro Val Gly Phe Gly His Met Ser Thr Thr Gly Cys
             20                  25                  30
Val Leu Asn Lys Leu Phe Gln Leu Pro Thr Pro Pro Leu Ser Arg
             35                  40                  45
His Gln Leu Lys Arg Leu Glu Glu His Arg Tyr Gln Ser Ala Gly
             50                  55                  60
Arg Ser Leu Leu Glu Pro Leu Val Gln Gly Tyr Trp Glu Trp Leu
             65                  70                  75
Val Arg Arg Val Pro Ser Trp Ile Ala Pro Asn Leu Ile Thr Ile
             80                  85                  90
Ile Gly Leu Ser Ile Asn Ile Cys Thr Thr Ile Leu Leu Val Phe
             95                 100                 105
Tyr Cys Pro Thr Ala Thr Glu Gln Ala Pro Leu Trp Ala Tyr Ile
            110                 115                 120
Ala Cys Ala Cys Gly Leu Phe Ile Tyr Gln Ser Leu Asp Ala Ile
            125                 130                 135
Gly Gly Lys Gln Ala Arg Arg Thr Asn Ser Ser Ser Pro Leu Gly
            140                 145                 150
Glu Leu Phe Asp His Gly Cys Asp Ser Leu Ser Thr Val Phe Val
            155                 160                 165
Val Leu Gly Thr Cys Ile Ala Val Gln Leu Gly Thr Asn Pro Asp
            170                 175                 180
Trp Met Phe Phe Cys Cys Phe Ala Gly Thr Phe Met Phe Tyr Cys
            185                 190                 195
Ala His Trp Gln Thr Tyr Val Ser Gly Thr Leu Arg Phe Gly Ile
            200                 205                 210
Ile Asp Val Thr Glu Val Gln Ile Phe Ile Ile Ile Met His Leu
            215                 220                 225
Leu Ala Val Met Gly Gly Pro Pro Phe Trp Gln Ser Met Ile Pro
            230                 235                 240
Val Leu Asn Ile Gln Met Lys Ile Phe Pro Ala Leu Cys Thr Val
            245                 250                 255
Ala Gly Thr Ile Phe Pro Val Thr Asn Tyr Phe Arg Val Ile Phe
            260                 265                 270
Thr Gly Gly Val Gly Lys Asn Gly Ser Thr Ile Ala Gly Thr Ser
            275                 280                 285
Val Leu Ser Pro Phe Leu His Ile Gly Ser Val Ile Thr Leu Ala
            290                 295                 300
Ala Met Ile Tyr Lys Lys Ser Ala Val Gln Leu Phe Glu Lys His
            305                 310                 315
Pro Cys Leu Tyr Ile Leu Thr Phe Gly Phe Val Ser Ala Lys Ile
            320                 325                 330
Thr Asn Lys Leu Val Val Ala His Met Thr Lys Ser Glu Met His
            335                 340                 345
Leu His Asp Thr Ala Phe Ile Gly Pro Ala Leu Leu Phe Leu Asp
            350                 355                 360
Gln Tyr Phe Asn Ser Phe Ile Asp Glu Tyr Ile Val Leu Trp Ile
            365                 370                 375
Ala Leu Val Phe Ser Phe Phe Asp Leu Ile Arg Tyr Cys Val Ser
            380                 385                 390
Val Cys Asn Gln Ile Ala Ser His Leu His Ile His Val Phe Arg
            395                 400                 405
Ile Lys Val Ser Thr Ala His Ser Asn His His
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410 415

<210> 4
<211> 224
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte Clone No: 1273641

<400> 4
Met Thr Ile Thr Ser Phe Tyr Ala Val Cys Phe Tyr Leu Leu Met
1 5 10 15
Leu Val Met Val Glu Gly Phe Gly Gly Lys Glu Ala Val Leu Arg
20 25 30
Thr Leu Arg Asp Thr Pro Met Met Val His Thr Gly Pro Cys Cys
35 40 45
Cys Cys Cys Pro Cys Cys Gln Arg Leu Leu Leu Thr Arg Lys Lys
50 55 60
Leu Gln Leu Leu Met Leu Gly Pro Phe Gln Tyr Ala Phe Leu Lys
65 70 75
Ile Thr Leu Thr Trp Trp Ala Leu Phe Ser Ser Pro Thr Glu Ser
80 85 90
Tyr Asp Pro Ala Asp Ile Ser Glu Gly Ser Thr Ala Leu Trp Ile
95 100 105
Asn Thr Phe Leu Gly Val Ser Thr Leu Leu Ala Leu Trp Thr Leu
110 115 120
Gly Ile Ile Ser Arg Gln Ala Arg Leu His Leu Gly Glu Gln Asn
125 130 135
Met Gly Ala Lys Phe Ala Leu Phe Gln Val Leu Leu Ile Leu Thr
140 145 150
Ala Leu Gln Pro Ser Ile Phe Ser Val Leu Ala Asn Gly Gly Gln
155 160 165
Ile Ala Cys Ser Pro Pro Tyr Ser Ser Lys Thr Arg Ser Gln Val
170 175 180
Met Asn Cys His Leu Leu Ile Leu Glu Thr Phe Leu Met Thr Val
185 190 195
Leu Thr Arg Met Tyr Tyr Arg Arg Lys Asp His Lys Val Gly Tyr
200 205 210
Glu Thr Phe Ser Ser Pro Asp Leu Asp Leu Asn Leu Lys Ala
215 220

<210> 5
<211> 247
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1427389

<400> 5

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Met Gly Ala Ala Val Phe Phe Gly Cys Thr Phe Val Ala Phe Gly
  1               5                  10                  15
Pro Ala Phe Ala Leu Phe Leu Ile Thr Val Ala Gly Asp Pro Leu
                 20                  25                  30
Arg Val Ile Ile Leu Val Ala Gly Ala Phe Phe Trp Leu Val Ser
                 35                  40                  45
Leu Leu Leu Ala Ser Val Val Trp Phe Ile Leu Val His Val Thr
                 50                  55                  60
Asp Arg Ser Asp Ala Arg Leu Gln Tyr Gly Leu Leu Ile Phe Gly
                 65                  70                  75
Ala Ala Val Ser Val Leu Leu Gln Glu Val Phe Arg Phe Ala Tyr
                 80                  85                  90
Tyr Lys Leu Leu Lys Lys Ala Asp Glu Gly Leu Ala Ser Leu Ser
                 95                 100                 105
Glu Asp Gly Arg Ser Pro Ile Ser Ile Arg Gln Met Ala Tyr Val
                110                 115                 120
Ser Gly Leu Ser Phe Gly Ile Ile Ser Gly Val Phe Ser Val Ile
                125                 130                 135
Asn Ile Leu Ala Asp Ala Leu Gly Pro Gly Val Val Gly Ile His
                140                 145                 150
Gly Asp Ser Pro Tyr Tyr Phe Leu Thr Ser Ala Phe Leu Thr Ala
                155                 160                 165
Ala Ile Ile Leu Leu His Thr Phe Trp Gly Val Val Phe Phe Asp
                170                 175                 180
Ala Cys Glu Arg Arg Arg Tyr Trp Ala Leu Gly Leu Val Val Gly
                185                 190                 195
Ser His Leu Leu Thr Ser Gly Leu Thr Phe Leu Asn Pro Trp Tyr
                200                 205                 210
Glu Ala Ser Leu Leu Pro Ile Tyr Ala Val Thr Val Ser Met Gly
                215                 220                 225
Leu Trp Ala Phe Ile Thr Ala Gly Gly Ser Leu Arg Ser Ile Gln
                230                 235                 240
Arg Ser Leu Leu Cys Lys Asp
                245
```

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<210> 6
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1458357

<400> 6
Met Tyr Trp Leu His Gln Asp Met Phe Trp Leu Leu Val Leu Ile
  1               5                  10                  15
Leu Ile Cys Leu Val Thr His Leu Ile Thr Arg Glu Thr Ile Tyr
                 20                  25                  30
Val Lys Ser Leu Phe Tyr Phe Lys Ile Leu Phe Val Tyr Leu Glu
                 35                  40                  45
Ser Lys Pro Ala His Cys Asn Leu Cys Leu Tyr Ala Lys Glu Leu
                 50                  55                  60
```

Asp Phe Phe Val Phe Val Leu Phe Phe Lys Leu Leu
65 70

<210> 7
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1482837

<400> 7
Met His Tyr Gly Phe Leu Leu Trp Ser Gly Lys Lys Arg Gly Leu
1 5 10 15
Ala Gly Pro Gln Gly Ile Cys Lys Ser Gln Lys Thr Val Phe Leu
20 25 30
Thr Ala Arg Cys His Ser Thr Leu Val Gly Lys Glu Glu Lys Lys
35 40 45
Ile Lys Leu Phe His Arg Thr Ser Trp Pro Pro His Ser His Ala
50 55 60
Leu Pro Thr Gln Pro Gly Pro Leu Pro Ala Pro Phe Ile Lys Ala
65 70 75
Glu Arg Val Glu Leu Ile Phe Thr Asn Cys Asn Ile Phe Val Val
80 85 90
Ser Val Ser Ser Phe Val Ser Ser Ala Glu Pro Cys Pro Phe Leu
95 100 105
Leu

<210> 8
<211> 239
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte Clone No: 1517434

<400> 8
Met Cys Val Thr Gln Leu Arg Leu Ile Phe Tyr Met Gly Ala Met
1 5 10 15
Asn Asn Ile Leu Lys Phe Leu Val Ser Gly Asp Gln Lys Thr Val
20 25 30
Gly Leu Tyr Thr Ser Ile Phe Gly Val Leu Gln Leu Leu Cys Leu
35 40 45
Leu Thr Ala Pro Val Ile Gly Tyr Ile Met Asp Trp Arg Leu Lys
50 55 60
Glu Cys Glu Asp Ala Ser Glu Glu Pro Glu Glu Lys Asp Ala Asn
65 70 75
Gln Gly Glu Lys Lys Lys Lys Lys Arg Asp Arg Gln Ile Gln Lys
80 85 90
Ile Thr Asn Ala Met Arg Ala Phe Ala Phe Thr Asn Leu Leu Leu
95 100 105

```
Val Gly Phe Gly Val Thr Cys Leu Ile Pro Asn Leu Pro Leu Gln
                110                 115                 120
Ile Leu Ser Phe Ile Leu His Thr Ile Val Arg Gly Phe Ile His
                125                 130                 135
Ser Ala Val Gly Gly Leu Tyr Ala Ala Val Tyr Pro Ser Thr Gln
                140                 145                 150
Phe Gly Ser Leu Thr Gly Leu Gln Ser Leu Ile Ser Ala Leu Phe
                155                 160                 165
Ala Leu Leu Gln Gln Pro Leu Phe Leu Ala Met Met Gly Pro Leu
                170                 175                 180
Gln Gly Asp Pro Leu Trp Val Asn Val Gly Leu Leu Leu Leu Ser
                185                 190                 195
Leu Leu Gly Phe Cys Leu Pro Leu Tyr Leu Ile Cys Tyr Arg Arg
                200                 205                 210
Gln Leu Glu Arg Gln Leu Gln Gln Arg Gln Glu Asp Asp Lys Leu
                215                 220                 225
Phe Leu Lys Ile Asn Gly Ser Ser Asn Gln Glu Ala Phe Val
                230                 235


<210> 9
<211> 150
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1536052


<400> 9
Met Trp Leu Pro Trp Ala Leu Leu Leu Leu Trp Val Pro Ala Ser
  1               5                  10                  15
Thr Ser Met Thr Pro Ala Ser Ile Thr Ala Ala Lys Thr Ser Thr
                20                  25                  30
Ile Thr Thr Ala Phe Pro Pro Val Ser Ser Thr Thr Leu Phe Ala
                35                  40                  45
Val Gly Ala Thr His Ser Ala Ser Ile Gln Glu Glu Thr Glu Glu
                50                  55                  60
Val Val Asn Ser Gln Leu Pro Leu Leu Leu Ser Leu Leu Ala Leu
                65                  70                  75
Leu Leu Leu Leu Leu Val Gly Ala Ser Leu Leu Ala Trp Arg Met
                80                  85                  90
Phe Gln Lys Trp Ile Lys Ala Gly Asp His Ser Glu Leu Ser Gln
                95                 100                 105
Asn Pro Lys Gln Ala Ser Pro Arg Glu Glu Leu His Tyr Ala Ser
                110                 115                 120
Val Val Phe Asp Ser Asn Thr Asn Arg Ile Ala Ala Gln Arg Pro
                125                 130                 135
Arg Glu Glu Glu Pro Asp Ser Asp Tyr Ser Val Ile Arg Lys Thr
                140                 145                 150


<210> 10
<211> 110
<212> PRT
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<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1666118

<400> 10
Met Pro Ala Cys Ile Leu Glu Asp Val Glu Ile Ser Phe Arg Gln
1 5 10 15
Lys Trp Ser Ile Asn Ser Asp Thr Leu Leu Gly Cys Leu Thr Leu
20 25 30
Phe Ile Ser Ala Phe Phe Ala Ser Glu Thr Trp Gln Lys Leu Val
35 40 45
Ser Gln Ser Thr Ala Phe Leu Thr Met Cys Gly Val Thr Tyr Ala
50 55 60
Trp Tyr Met Pro Leu Leu Leu Leu Lys Phe Tyr Ser Leu Leu Leu
65 70 75
Ala Gln Val Leu Leu Asn Pro Phe Leu Met Cys Thr Gly Trp Arg
80 85 90
Lys Asn Tyr Ser Gln His Phe Glu Arg Lys Val Phe Arg Asn Asn
95 100 105
Ile Asn Trp His Tyr
110

<210> 11
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1675560

<400> 11
Met Leu Val Thr Asn Ile Thr Val Asn Arg Ser Leu Leu His Ala
1 5 10 15
Lys Asp Gln Cys Asp Leu Trp Met Glu Met Ile Val Met Lys Phe
20 25 30
Leu Phe His Gly Ala Val Phe Leu Phe Ile Ser Leu Gly Ser Arg
35 40 45
Phe Ser Glu Ala Val Arg Cys Cys Cys Cys Gly Phe Leu
50 55

<210> 12
<211> 221
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1687323

<400> 12
Met Ala Ala Ser Ser Ile Ser Ser Pro Trp Gly Lys His Val Phe
1 5 10 15
Lys Ala Ile Leu Met Val Leu Val Ala Leu Ile Leu Leu His Ser
20 25 30
Ala Leu Ala Gln Ser Arg Arg Asp Phe Ala Pro Pro Gly Gln Gln
35 40 45
Lys Arg Glu Ala Pro Val Asp Val Leu Thr Gln Ile Gly Arg Ser
50 55 60
Val Arg Gly Thr Leu Asp Ala Trp Ile Gly Pro Glu Thr Met His
65 70 75
Leu Val Ser Glu Ser Ser Ser Gln Val Leu Trp Ala Ile Ser Ser
80 85 90
Ala Ile Ser Val Ala Phe Phe Ala Leu Ser Gly Ile Ala Ala Gln
95 100 105
Leu Leu Asn Ala Leu Gly Leu Ala Gly Asp Tyr Leu Ala Gln Gly
110 115 120
Leu Lys Leu Ser Pro Gly Gln Val Gln Thr Phe Leu Leu Trp Gly
125 130 135
Ala Gly Ala Leu Val Val Tyr Trp Leu Leu Ser Leu Leu Leu Gly
140 145 150
Leu Val Leu Ala Leu Leu Gly Arg Ile Leu Trp Gly Leu Lys Leu
155 160 165
Val Ile Phe Leu Ala Gly Phe Val Ala Leu Met Arg Ser Val Pro
170 175 180
Asp Pro Ser Thr Arg Ala Leu Leu Leu Leu Ala Leu Leu Ile Leu
185 190 195
Tyr Ala Leu Leu Ser Arg Leu Thr Gly Ser Arg Ala Ser Gly Ala
200 205 210
Gln Leu Glu Ala Lys Val Arg Gly Leu Glu Arg
215 220

<210> 13
<211> 262
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1692236

<400> 13
Met Ala Leu Gly Leu Lys Cys Phe Arg Met Val His Pro Thr Phe
1 5 10 15
Arg Asn Tyr Leu Ala Ala Ser Ile Arg Pro Val Ser Glu Val Thr
20 25 30
Leu Lys Thr Val His Glu Arg Gln His Gly His Arg Gln Tyr Met
35 40 45
Ala Tyr Ser Ala Val Pro Val Arg His Phe Ala Thr Lys Lys Ala
50 55 60
Lys Ala Lys Gly Lys Gly Gln Ser Gln Thr Arg Val Asn Ile Asn
65 70 75
Ala Ala Leu Val Glu Asp Ile Ile Asn Leu Glu Glu Val Asn Glu
80 85 90

```
Glu Met Lys Ser Val Ile Glu Ala Leu Lys Asp Asn Phe Asn Leu
                95                  100                 105
Thr Leu Asn Ile Arg Ala Ser Pro Gly Ser Leu Asp Lys Ile Ala
            110                 115                 120
Val Val Thr Ala Asp Gly Lys Leu Ala Leu Asn Gln Ile Ser Gln
            125                 130                 135
Ile Ser Met Lys Ser Pro Gln Leu Ile Leu Val Asn Met Ala Ser
            140                 145                 150
Phe Pro Glu Cys Thr Ala Ala Ala Ile Lys Ala Ile Arg Glu Ser
            155                 160                 165
Gly Met Asn Leu Asn Pro Glu Val Glu Gly Thr Leu Ile Arg Val
            170                 175                 180
Pro Ile Pro Gln Val Thr Arg Glu His Arg Glu Met Leu Val Lys
            185                 190                 195
Leu Ala Lys Gln Asn Thr Asn Lys Ala Lys Asp Ser Leu Arg Lys
            200                 205                 210
Val Arg Thr Asn Ser Met Asn Lys Leu Lys Lys Ser Lys Asp Thr
            215                 220                 225
Val Ser Glu Asp Thr Ile Arg Leu Ile Glu Lys Gln Ile Ser Gln
            230                 235                 240
Met Ala Asp Asp Thr Val Ala Glu Leu Asp Arg His Leu Ala Val
            245                 250                 255
Lys Thr Lys Glu Leu Leu Gly
            260
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<210> 14
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1720847

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<400> 14
Met Glu Ala Ala Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro
  1               5                  10                  15
Ser Thr Glu Leu Gly Ile Met Gly Ser Trp Phe Tyr Leu Phe Leu
            20                  25                  30
Ala Pro Leu Phe Lys Gly Leu Ala Gly Ser Leu Pro Phe Gly Cys
            35                  40                  45
Leu Ser Leu Leu Gln Pro Thr Glu Lys Thr Ala Leu Gln Arg Trp
            50                  55                  60
Arg Val Phe Met Lys His Ser Cys Gln Glu Pro Arg His Arg Ala
            65                  70                  75
Gly Gly Leu Glu Lys Gly Gly His Thr Gly Gly Gly Arg Ser Trp
            80                  85                  90
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<210> 15
<211> 208
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1752821

<400> 15
Met Ala Ser Ser Leu Leu Ala Gly Glu Arg Leu Val Arg Ala Leu
1 5 10 15
Gly Pro Gly Gly Glu Leu Glu Pro Glu Arg Leu Pro Arg Lys Leu
20 25 30
Arg Ala Glu Leu Glu Ala Ala Leu Gly Lys Lys His Lys Gly Gly
35 40 45
Asp Ser Ser Ser Gly Pro Gln Arg Leu Val Ser Phe Arg Leu Ile
50 55 60
Arg Asp Leu His Gln His Leu Arg Glu Arg Asp Ser Lys Leu Tyr
65 70 75
Leu His Glu Leu Leu Glu Gly Ser Glu Ile Tyr Leu Pro Glu Val
80 85 90
Val Lys Pro Pro Arg Asn Pro Glu Leu Val Ala Arg Leu Glu Lys
95 100 105
Ile Lys Ile Gln Leu Ala Asn Glu Glu Tyr Lys Arg Ile Thr Arg
110 115 120
Asn Val Thr Cys Gln Asp Thr Arg His Gly Gly Thr Leu Ser Asp
125 130 135
Leu Gly Lys Gln Val Arg Ser Leu Lys Ala Leu Val Ile Thr Ile
140 145 150
Phe Asn Phe Ile Val Thr Val Val Ala Ala Phe Val Cys Thr Tyr
155 160 165
Leu Gly Ser Gln Tyr Ile Phe Thr Glu Met Ala Ser Arg Val Leu
170 175 180
Ala Ala Leu Ile Val Ala Ser Val Val Gly Leu Ala Glu Leu Tyr
185 190 195
Val Met Val Arg Ala Met Glu Gly Glu Leu Gly Glu Leu
200 205

<210> 16
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1810923

<400> 16
Met Thr Lys Lys Lys Arg Glu Asn Leu Gly Val Ala Leu Glu Ile
1 5 10 15
Asp Gly Leu Glu Glu Lys Leu Ser Gln Cys Arg Arg Asp Leu Glu
20 25 30
Ala Val Asn Ser Arg Leu His Ser Arg Glu Leu Ser Pro Glu Ala
35 40 45
Arg Arg Ser Leu Glu Lys Glu Lys Asn Ser Leu Met Asn Lys Ala
50 55 60

```
Ser Asn Tyr Glu Lys Glu Leu Lys Phe Leu Arg Gln Glu Asn Arg
                65                  70                  75
Lys Asn Met Leu Leu Ser Val Ala Ile Phe Ile Leu Leu Thr Leu
                80                  85                  90
Val Tyr Ala Tyr Trp Thr Met
                95
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<210> 17
<211> 243
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1822315

<400> 17

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Met Phe Phe Leu Ser Ser Ser Lys Leu Thr Lys Trp Lys Gly Glu
  1               5                  10                  15
Val Lys Lys Arg Leu Asp Ser Glu Tyr Lys Glu Gly Gly Gln Arg
                20                  25                  30
Asn Trp Val Gln Val Phe Cys Asn Gly Ala Val Pro Thr Glu Leu
                35                  40                  45
Ala Leu Leu Tyr Met Ile Glu Asn Gly Pro Gly Glu Ile Pro Val
                50                  55                  60
Asp Phe Ser Lys Gln Tyr Ser Ala Ser Trp Met Cys Leu Ser Leu
                65                  70                  75
Leu Ala Ala Leu Ala Cys Ser Ala Gly Asp Thr Trp Ala Ser Glu
                80                  85                  90
Val Gly Pro Val Leu Ser Lys Ser Ser Pro Arg Leu Ile Thr Thr
                95                 100                 105
Trp Glu Lys Val Pro Val Gly Thr Asn Gly Gly Val Thr Val Val
               110                 115                 120
Gly Leu Val Ser Ser Leu Leu Gly Gly Thr Phe Val Gly Ile Ala
               125                 130                 135
Tyr Phe Leu Thr Gln Leu Ile Phe Val Asn Asp Leu Asp Ile Ser
               140                 145                 150
Ala Pro Gln Trp Pro Ile Ile Ala Phe Gly Gly Leu Ala Gly Leu
               155                 160                 165
Leu Gly Ser Ile Val Asp Ser Tyr Leu Gly Ala Thr Met Gln Tyr
               170                 175                 180
Thr Gly Leu Asp Glu Ser Thr Gly Met Val Val Asn Ser Pro Thr
               185                 190                 195
Asn Lys Ala Arg His Ile Ala Gly Lys Pro Ile Leu Asp Asn Asn
               200                 205                 210
Ala Trp Ile Cys Phe Leu Leu Phe Leu Leu Pro Ser Cys Ser Gln
               215                 220                 225
Leu Leu Leu Gly Val Phe Gly Pro Gly Gly Glu Leu Tyr Phe Ile
               230                 235                 240
Ser Thr Gly
```

<210> 18
<211> 162

<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1877777

<400> 18

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Met Leu Gln Thr Ser Asn Tyr Ser Leu Val Leu Ser Leu Gln Phe
  1               5                  10                  15
Leu Leu Leu Ser Tyr Asp Leu Phe Val Asn Ser Phe Ser Glu Leu
             20                  25                  30
Leu Gln Lys Thr Pro Val Ile Gln Leu Val Leu Phe Ile Ile Gln
             35                  40                  45
Asp Ile Ala Val Leu Phe Asn Ile Ile Ile Ile Phe Leu Met Phe
             50                  55                  60
Phe Asn Thr Phe Val Phe Gln Ala Gly Leu Val Asn Leu Leu Phe
             65                  70                  75
His Lys Phe Lys Gly Thr Ile Ile Leu Thr Ala Val Tyr Phe Ala
             80                  85                  90
Leu Ser Ile Ser Leu His Val Trp Val Met Asn Leu Arg Trp Lys
             95                 100                 105
Asn Ser Asn Ser Phe Ile Trp Thr Asp Gly Leu Gln Met Leu Phe
            110                 115                 120
Val Phe Gln Arg Leu Ala Ala Val Leu Tyr Cys Tyr Phe Tyr Lys
            125                 130                 135
Arg Thr Ala Val Arg Leu Gly Asp Pro His Phe Tyr Gln Asp Ser
            140                 145                 150
Leu Trp Leu Arg Lys Glu Phe Met Gln Val Arg Arg
            155                 160
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<210> 19
<211> 470
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1879819

<400> 19

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Met Leu Ser Pro Ser Pro Gly Lys Gly Pro Pro Pro Ala Val Ala
  1               5                  10                  15
Pro Arg Pro Lys Ala Pro Leu Gln Leu Gly Pro Ser Ser Ser Ile
             20                  25                  30
Lys Glu Lys Gln Gly Pro Leu Leu Asp Leu Phe Gly Gln Lys Leu
             35                  40                  45
Pro Ile Ala His Thr Pro Pro Pro Pro Pro Ala Pro Pro Leu Pro
             50                  55                  60
Leu Pro Glu Asp Pro Gly Thr Leu Ser Ala Glu Arg Arg Cys Leu
             65                  70                  75
Thr Gln Pro Val Glu Asp Gln Gly Val Ser Thr Gln Leu Leu Ala
```

```
                    80                  85                  90
Pro Ser Gly Ser Val Cys Phe Ser Tyr Thr Gly Thr Pro Trp Lys
                    95                 100                 105
Leu Phe Leu Arg Lys Glu Val Phe Tyr Pro Arg Glu Asn Phe Ser
                   110                 115                 120
His Pro Tyr Tyr Leu Arg Leu Leu Cys Glu Gln Ile Leu Arg Asp
                   125                 130                 135
Thr Phe Ser Glu Ser Cys Ile Arg Ile Ser Gln Asn Glu Arg Arg
                   140                 145                 150
Lys Met Lys Asp Leu Leu Gly Gly Leu Glu Val Asp Leu Asp Ser
                   155                 160                 165
Leu Thr Thr Thr Glu Asp Ser Val Lys Lys Arg Ile Val Val Ala
                   170                 175                 180
Ala Arg Asp Asn Trp Ala Asn Tyr Phe Ser Arg Phe Phe Pro Val
                   185                 190                 195
Ser Gly Glu Ser Gly Ser Asp Val Gln Leu Leu Ala Val Ser His
                   200                 205                 210
Arg Gly Leu Arg Leu Leu Lys Val Thr Gln Gly Pro Gly Leu Arg
                   215                 220                 225
Pro Asp Gln Leu Lys Ile Leu Cys Ser Tyr Ser Phe Ala Glu Val
                   230                 235                 240
Leu Gly Val Glu Cys Arg Gly Gly Ser Thr Leu Glu Leu Ser Leu
                   245                 250                 255
Lys Ser Glu Gln Leu Val Leu His Thr Ala Arg Ala Arg Ala Ile
                   260                 265                 270
Glu Ala Leu Val Glu Leu Phe Leu Asn Glu Leu Lys Lys Asp Ser
                   275                 280                 285
Gly Tyr Val Ile Ala Leu Arg Ser Tyr Ile Thr Asp Asn Cys Ser
                   290                 295                 300
Leu Leu Ser Phe His Arg Gly Asp Leu Ile Lys Leu Leu Pro Val
                   305                 310                 315
Cys His Pro Gly Ala Arg Leu Ala Val Trp Leu Cys Arg Gly Pro
                   320                 325                 330
Phe Arg Thr Leu Ser Cys Arg His Ser Ala Ala Gly Cys Arg Ser
                   335                 340                 345
Arg Leu Phe Leu Leu Gln Gly Ala Glu Glu Trp Leu Ala Gln Gly
                   350                 355                 360
Ser Ala Val Gln Arg Gly Thr Arg Ala Gly Ser Val Gly Gln Gly
                   365                 370                 375
Leu Arg Gly Glu Glu Asp Gly Arg Gly Thr Ser Arg Gly Lys Ala
                   380                 385                 390
Cys Leu Arg Leu Arg Lys Glu Arg Gly Leu Thr Thr Pro Glu Ala
                   395                 400                 405
Ala Met Arg Trp Asp His Pro Ala Val Arg Leu Leu Trp Leu Pro
                   410                 415                 420
Leu Cys Pro Leu Leu Met Ala Arg Leu Val Ser Pro Ala Arg Leu
                   425                 430                 435
Cys Thr Pro Cys Arg Gln Gly Leu Gly Trp Met Leu Leu Leu Cys
                   440                 445                 450
Pro Thr Trp Tyr Leu Val Gln Gly Cys Pro Ser Arg Cys Leu Ile
                   455                 460                 465
Asn Ser Ser Ser Leu
                   470
```

<210> 20
<211> 144

<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1932945

<400> 20
Met Glu Arg Glu Gly Ser Gly Gly Ser Gly Gly Ser Ala Gly Leu
1 5 10 15
Leu Gln Gln Ile Leu Ser Leu Lys Val Val Pro Arg Val Gly Asn
20 25 30
Gly Thr Leu Cys Pro Asn Ser Thr Ser Leu Cys Ser Phe Pro Glu
35 40 45
Met Trp Tyr Gly Val Phe Leu Trp Ala Leu Val Ser Ser Leu Phe
50 55 60
Phe His Val Pro Ala Gly Leu Leu Ala Leu Phe Thr Leu Arg His
65 70 75
His Lys Tyr Gly Arg Phe Met Ser Val Ser Ile Leu Leu Met Gly
80 85 90
Ile Val Gly Pro Ile Thr Ala Gly Ile Leu Thr Ser Ala Ala Ile
95 100 105
Ala Gly Val Tyr Arg Ala Ala Gly Lys Glu Met Ile Pro Phe Glu
110 115 120
Ala Leu Thr Leu Gly Thr Gly Gln Thr Phe Cys Val Leu Val Val
125 130 135
Ser Phe Leu Arg Ile Leu Ala Thr Leu
140

<210> 21
<211> 221
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2061026

<400> 21
Met Ala Leu Ala Leu Ala Ala Leu Ala Ala Val Glu Pro Ala Cys
1 5 10 15
Gly Ser Arg Tyr Gln Gln Leu Gln Asn Glu Glu Glu Ser Gly Glu
20 25 30
Pro Glu Gln Ala Ala Gly Asp Ala Pro Pro Pro Tyr Ser Ser Ile
35 40 45
Ser Ala Glu Ser Ala Ala Tyr Phe Asp Tyr Lys Asp Glu Ser Gly
50 55 60
Phe Pro Lys Pro Pro Ser Tyr Asn Val Ala Thr Thr Leu Pro Ser
65 70 75
Tyr Asp Glu Ala Glu Arg Thr Lys Ala Glu Ala Thr Ile Pro Leu
80 85 90
Val Pro Gly Arg Asp Glu Asp Phe Val Gly Arg Asp Asp Phe Asp
95 100 105
Asp Ala Asp Gln Leu Arg Ile Gly Asn Asp Gly Ile Phe Met Leu

```
                110                 115                 120
Thr Phe Phe Met Ala Phe Leu Phe Asn Trp Ile Gly Phe Phe Leu
                125                 130                 135
Ser Phe Cys Leu Thr Thr Ser Ala Ala Gly Arg Tyr Gly Ala Ile
                140                 145                 150
Ser Gly Phe Gly Leu Ser Leu Ile Lys Trp Ile Leu Ile Val Arg
                155                 160                 165
Phe Ser Thr Tyr Phe Pro Gly Tyr Phe Asp Gly Gln Tyr Trp Leu
                170                 175                 180
Trp Trp Val Phe Leu Val Leu Gly Phe Leu Leu Phe Leu Arg Gly
                185                 190                 195
Phe Ile Asn Tyr Ala Lys Val Arg Lys Met Pro Glu Thr Phe Ser
                200                 205                 210
Asn Leu Pro Arg Thr Arg Val Leu Phe Ile Tyr
                215                 220


<210> 22
<211> 688
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2096687



<400> 22
Met Ser Ala Glu Ser Gly Pro Gly Thr Arg Leu Arg Asn Leu Pro
  1                 5                  10                  15
Val Met Gly Asp Gly Leu Glu Thr Ser Gln Met Ser Thr Thr Gln
                 20                  25                  30
Ala Gln Ala Gln Pro Gln Pro Ala Asn Ala Ala Ser Thr Asn Pro
                 35                  40                  45
Pro Pro Pro Glu Thr Ser Asn Pro Asn Lys Pro Lys Arg Gln Thr
                 50                  55                  60
Asn Gln Leu Gln Tyr Leu Leu Arg Val Val Leu Lys Thr Leu Trp
                 65                  70                  75
Lys His Gln Phe Ala Trp Pro Phe Gln Gln Pro Val Asp Ala Val
                 80                  85                  90
Lys Leu Asn Leu Pro Asp Tyr Tyr Lys Ile Ile Lys Thr Pro Met
                 95                 100                 105
Asp Met Gly Thr Ile Lys Lys Arg Leu Glu Asn Asn Tyr Tyr Trp
                110                 115                 120
Asn Ala Gln Glu Cys Ile Gln Asp Phe Asn Thr Met Phe Thr Asn
                125                 130                 135
Cys Tyr Ile Tyr Asn Lys Pro Gly Asp Asp Ile Val Leu Met Ala
                140                 145                 150
Glu Ala Leu Glu Lys Leu Phe Leu Gln Lys Ile Asn Glu Leu Pro
                155                 160                 165
Thr Glu Glu Thr Glu Ile Met Ile Val Gln Ala Lys Gly Arg Gly
                170                 175                 180
Arg Gly Arg Lys Glu Thr Gly Thr Ala Lys Pro Gly Val Ser Thr
                185                 190                 195
Val Pro Asn Thr Thr Gln Ala Ser Thr Pro Pro Gln Thr Gln Thr
```

```
                200                 205                 210
Pro Gln Pro Asn Pro Pro Pro Val Gln Ala Thr Pro His Pro Phe
                215                 220                 225
Pro Ala Val Thr Pro Asp Leu Ile Val Gln Thr Pro Val Met Thr
                230                 235                 240
Val Val Pro Pro Gln Pro Leu Gln Thr Pro Pro Pro Val Pro Pro
                245                 250                 255
Gln Pro Gln Pro Pro Pro Ala Pro Ala Pro Gln Pro Val Gln Ser
                260                 265                 270
His Pro Pro Ile Ile Ala Ala Thr Pro Gln Pro Val Lys Thr Lys
                275                 280                 285
Lys Gly Val Lys Arg Lys Ala Asp Thr Thr Thr Pro Thr Thr Ile
                290                 295                 300
Asp Pro Ile His Glu Pro Pro Ser Leu Pro Pro Glu Pro Lys Thr
                305                 310                 315
Thr Lys Leu Gly Gln Arg Arg Glu Ser Ser Arg Pro Val Lys Pro
                320                 325                 330
Pro Lys Lys Asp Val Pro Asp Ser Gln Gln His Pro Ala Pro Glu
                335                 340                 345
Lys Ser Ser Lys Val Ser Glu Gln Leu Lys Cys Cys Ser Gly Ile
                350                 355                 360
Leu Lys Glu Met Phe Ala Lys Lys His Ala Ala Tyr Ala Trp Pro
                365                 370                 375
Phe Tyr Lys Pro Val Asp Val Glu Ala Leu Gly Leu His Asp Tyr
                380                 385                 390
Cys Asp Ile Ile Lys His Pro Met Asp Met Ser Thr Ile Lys Ser
                395                 400                 405
Lys Leu Glu Ala Arg Glu Tyr Arg Asp Ala Gln Glu Phe Gly Ala
                410                 415                 420
Asp Val Arg Leu Met Phe Ser Asn Cys Tyr Lys Tyr Asn Pro Pro
                425                 430                 435
Asp His Glu Val Val Ala Met Ala Arg Lys Leu Gln Asp Val Phe
                440                 445                 450
Glu Met Arg Phe Ala Lys Met Pro Asp Glu Pro Glu Glu Pro Val
                455                 460                 465
Val Ala Val Ser Ser Pro Ala Val Pro Pro Pro Thr Lys Val Val
                470                 475                 480
Ala Pro Pro Ser Ser Ser Asp Ser Ser Ser Asp Ser Ser Ser Asp
                485                 490                 495
Ser Asp Ser Ser Thr Asp Asp Ser Glu Glu Glu Arg Ala Gln Arg
                500                 505                 510
Leu Ala Glu Leu Gln Glu Gln Leu Lys Ala Val His Glu Gln Leu
                515                 520                 525
Ala Ala Leu Ser Gln Pro Gln Gln Asn Lys Pro Lys Lys Lys Glu
                530                 535                 540
Lys Asp Lys Lys Glu Lys Lys Lys Glu Lys His Lys Arg Lys Glu
                545                 550                 555
Glu Val Glu Glu Asn Lys Lys Ser Lys Ala Lys Glu Pro Pro Pro
                560                 565                 570
Lys Lys Thr Lys Lys Asn Asn Ser Ser Asn Ser Asn Val Ser Lys
                575                 580                 585
Lys Glu Pro Ala Pro Met Lys Ser Lys Pro Pro Pro Thr Tyr Glu
                590                 595                 600
Ser Glu Glu Glu Asp Lys Cys Lys Pro Met Ser Tyr Glu Glu Lys
                605                 610                 615
Arg Gln Leu Ser Leu Asp Ile Asn Lys Leu Pro Gly Glu Lys Leu
                620                 625                 630
```

```
Gly Arg Val Val His Ile Ile Gln Ser Arg Glu Pro Ser Leu Lys
                635                 640                 645
Asn Ser Asn Pro Asp Glu Ile Glu Ile Asp Phe Glu Thr Leu Lys
                650                 655                 660
Pro Ser Thr Leu Arg Glu Leu Gly Ala Leu Cys His Leu Leu Phe
                665                 670                 675
Ala Glu Glu Lys Glu Thr Phe Lys Leu Arg Lys Leu Met
                680                 685
```

<210> 23
<211> 439
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2100530

<400> 23

```
Met Gly Ser Gln Glu Val Leu Gly His Ala Ala Arg Leu Ala Ser
  1                 5                  10                  15
Ser Gly Leu Leu Leu Gln Val Leu Phe Arg Leu Ile Thr Phe Val
                 20                  25                  30
Leu Asn Ala Phe Ile Leu Arg Phe Leu Ser Lys Glu Ile Val Gly
                 35                  40                  45
Val Val Asn Val Arg Leu Thr Leu Leu Tyr Ser Thr Thr Leu Phe
                 50                  55                  60
Leu Ala Arg Glu Ala Phe Arg Arg Ala Cys Leu Ser Gly Gly Thr
                 65                  70                  75
Gln Arg Asp Trp Ser Gln Thr Leu Asn Leu Leu Trp Leu Thr Val
                 80                  85                  90
Pro Leu Gly Val Phe Trp Ser Leu Phe Leu Gly Trp Ile Trp Leu
                 95                 100                 105
Gln Leu Leu Glu Val Pro Asp Pro Asn Val Val Pro His Tyr Ala
                110                 115                 120
Thr Gly Val Val Leu Phe Gly Leu Ser Ala Val Val Glu Leu Leu
                125                 130                 135
Gly Glu Pro Phe Trp Val Leu Ala Gln Ala His Met Phe Val Lys
                140                 145                 150
Leu Lys Val Ile Ala Glu Ser Leu Ser Val Ile Leu Lys Ser Val
                155                 160                 165
Leu Thr Ala Phe Leu Val Leu Trp Leu Pro His Trp Gly Leu Tyr
                170                 175                 180
Ile Phe Ser Leu Ala Gln Leu Phe Tyr Thr Thr Val Leu Val Leu
                185                 190                 195
Cys Tyr Val Ile Tyr Phe Thr Lys Leu Leu Gly Ser Pro Glu Ser
                200                 205                 210
Thr Lys Leu Gln Thr Leu Pro Val Ser Arg Ile Thr Asp Leu Leu
                215                 220                 225
Pro Asn Ile Thr Arg Asn Gly Ala Phe Ile Asn Trp Lys Glu Ala
```

```
                230                 235                 240
Lys Leu Thr Trp Ser Phe Phe Lys Gln Ser Phe Leu Lys Gln Ile
                245                 250                 255
Leu Thr Glu Gly Glu Arg Tyr Val Met Thr Phe Leu Asn Val Leu
                260                 265                 270
Asn Phe Gly Asp Gln Gly Val Tyr Asp Ile Val Asn Asn Leu Gly
                275                 280                 285
Ser Leu Val Ala Arg Leu Ile Phe Gln Pro Ile Glu Glu Ser Phe
                290                 295                 300
Tyr Ile Phe Phe Ala Lys Val Leu Glu Arg Gly Lys Asp Ala Thr
                305                 310                 315
Leu Gln Lys Gln Glu Asp Val Ala Val Ala Ala Ala Val Leu Glu
                320                 325                 330
Ser Leu Leu Lys Leu Ala Leu Leu Ala Gly Leu Thr Ile Thr Val
                335                 340                 345
Phe Gly Phe Ala Tyr Ser Gln Leu Ala Leu Asp Ile Tyr Gly Gly
                350                 355                 360
Thr Met Leu Ser Ser Gly Ser Gly Pro Val Leu Leu Arg Ser Tyr
                365                 370                 375
Cys Leu Tyr Val Leu Leu Leu Ala Ile Asn Gly Val Thr Glu Cys
                380                 385                 390
Phe Thr Phe Ala Ala Met Ser Lys Glu Glu Val Asp Arg Tyr Ser
                395                 400                 405
Ser Ala Val Ser Arg Ala Gly Gln Pro Asp Trp His Thr Leu Leu
                410                 415                 420
Trp Gly Pro Ser Val Trp Glu Gln Leu Ser Gly Gln His Xaa Ser
                425                 430                 435
Gln Arg Pro Ser
```

<210> 24
<211> 192
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2357636

<400> 24

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Met Thr Ala Val Gly Val Gln Ala Gln Arg Pro Leu Gly Gln Arg
  1               5                  10                  15
Gln Pro Arg Arg Ser Phe Phe Glu Ser Phe Ile Arg Thr Leu Ile
                20                  25                  30
Ile Thr Cys Val Ala Leu Ala Val Val Leu Ser Ser Val Ser Ile
                35                  40                  45
Cys Asp Gly His Trp Leu Leu Ala Glu Asp Arg Leu Phe Gly Leu
                50                  55                  60
Trp His Phe Cys Thr Thr Thr Asn Gln Ser Val Pro Ile Cys Phe
                65                  70                  75
Arg Asp Leu Gly Gln Ala His Val Pro Gly Leu Ala Val Gly Met
                80                  85                  90
Gly Leu Val Arg Ser Val Gly Ala Leu Ala Val Val Ala Ala Ile
                95                 100                 105
Phe Gly Leu Glu Phe Leu Met Val Ser Gln Leu Cys Glu Asp Lys
```

```
                110                 115                 120
His Ser Gln Cys Lys Trp Val Met Gly Ser Ile Leu Leu Leu Val
                125                 130                 135
Ser Phe Val Leu Ser Ser Gly Gly Leu Leu Gly Phe Val Ile Leu
                140                 145                 150
Leu Arg Asn Gln Val Thr Leu Ile Gly Phe Thr Leu Met Phe Trp
                155                 160                 165
Cys Glu Phe Thr Ala Ser Phe Leu Leu Phe Leu Asn Ala Ile Ser
                170                 175                 180
Gly Leu His Ile Asn Ser Ile Thr His Pro Trp Glu
                185                 190


<210> 25
<211> 175
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2365230

<400> 25
Met Lys Glu Val Thr Arg Thr Trp Lys Ile Val Gly Gly Val Thr
  1               5                  10                  15
His Ala Asn Ser Tyr Tyr Lys Asn Gly Trp Ile Val Met Ile Ala
                20                  25                  30
Ile Gly Trp Ala Arg Gly Ala Gly Gly Thr Ile Ile Thr Asn Phe
                35                  40                  45
Glu Arg Leu Val Lys Gly Asp Trp Lys Pro Glu Gly Asp Glu Trp
                50                  55                  60
Leu Lys Met Ser Tyr Pro Ala Lys Val Thr Leu Leu Gly Ser Val
                65                  70                  75
Ile Phe Thr Phe Gln His Thr Gln His Leu Ala Ile Ser Lys His
                80                  85                  90
Asn Leu Met Phe Leu Tyr Thr Ile Phe Ile Val Ala Thr Lys Ile
                95                 100                 105
Thr Met Met Thr Thr Gln Thr Ser Thr Met Thr Phe Ala Pro Phe
                110                 115                 120
Glu Asp Thr Leu Ser Trp Met Leu Phe Gly Trp Gln Gln Pro Phe
                125                 130                 135
Ser Ser Cys Glu Lys Lys Ser Glu Ala Lys Ser Pro Ser Asn Gly
                140                 145                 150
Val Gly Ser Leu Ala Ser Lys Pro Val Asp Val Ala Ser Asp Asn
                155                 160                 165
Val Lys Lys Lys His Thr Lys Lys Asn Glu
                170                 175


<210> 26
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2455121
```

<400> 26
Met Tyr Pro Pro Pro Pro Pro Pro Pro His Arg Asp Phe Ile Ser
1 5 10 15
Val Thr Leu Ser Phe Gly Glu Ser Tyr Asp Asn Ser Lys Ser Trp
20 25 30
Arg Arg Arg Ser Cys Trp Arg Lys Trp Lys Gln Leu Ser Arg Leu
35 40 45
Gln Arg Asn Met Ile Leu Phe Leu Leu Ala Phe Leu Leu Phe Cys
50 55 60
Gly Leu Leu Phe Tyr Ile Asn Leu Ala Asp His Trp Lys Ala Leu
65 70 75
Ala Phe Arg Leu Gly Glu Glu Gln Lys Met Arg Pro Glu Ile Ala
80 85 90
Gly

<210> 27
<211> 214
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2472514

<400> 27
Met Gln Pro Thr Ser Trp Ala Val Ser Cys Gly Leu Arg Pro Leu
1 5 10 15
Pro Ser Trp Lys Pro Gln Gly Gly Glu Gly Arg Gly Gly Glu Glu
20 25 30
Arg Arg Gly Thr Val Met Gly Pro Trp Ser Arg Val Arg Val Ala
35 40 45
Lys Cys Gln Met Leu Val Thr Cys Phe Phe Ile Leu Leu Leu Gly
50 55 60
Leu Ser Val Ala Thr Met Val Thr Leu Thr Tyr Phe Gly Ala His
65 70 75
Phe Ala Val Ile Arg Arg Ala Ser Leu Glu Lys Asn Pro Tyr Gln
80 85 90
Ala Val His Gln Trp Ala Phe Ser Ala Gly Leu Ser Leu Val Gly
95 100 105
Leu Leu Thr Leu Gly Ala Val Leu Ser Ala Ala Ala Thr Val Arg
110 115 120
Glu Ala Gln Gly Leu Met Ala Gly Gly Phe Leu Cys Phe Ser Leu
125 130 135
Ala Phe Cys Ala Gln Val Gln Val Val Phe Trp Arg Leu His Ser
140 145 150
Pro Thr Gln Val Glu Asp Ala Met Leu Asp Thr Tyr Asp Leu Val
155 160 165
Tyr Glu Gln Ala Met Lys Gly Thr Ser His Val Arg Arg Gln Glu
170 175 180
Leu Ala Ala Ile Gln Asp Val Val Ser Val Gly Thr Ala Gly Trp
185 190 195
Gln Gly Gly Gln Leu Leu Leu Gly Leu Gln Phe Arg Glu Gln Ala

```
                200                 205                 210
Gln Gly Gly Gln


<210> 28
<211> 250
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2543486


<400> 28
Met Ser Val Ile Phe Phe Ala Cys Val Val Arg Val Arg Asp Gly
  1               5                  10                  15
Leu Pro Leu Ser Ala Ser Thr Asp Phe Tyr His Thr Gln Asp Phe
                20                  25                  30
Leu Glu Trp Arg Arg Arg Leu Lys Ser Leu Ala Leu Arg Leu Ala
                35                  40                  45
Gln Tyr Pro Gly Arg Gly Ser Ala Glu Gly Cys Asp Phe Ser Ile
                50                  55                  60
His Phe Ser Ser Phe Gly Asp Val Ala Cys Met Ala Ile Cys Ser
                65                  70                  75
Cys Gln Cys Pro Ala Ala Met Ala Phe Cys Phe Leu Glu Thr Leu
                80                  85                  90
Trp Trp Glu Phe Thr Ala Ser Tyr Asp Thr Thr Cys Ile Gly Leu
                95                 100                 105
Ala Ser Arg Pro Tyr Ala Phe Leu Glu Phe Asp Ser Ile Ile Gln
               110                 115                 120
Lys Val Lys Trp His Phe Asn Tyr Val Ser Ser Ser Gln Met Glu
               125                 130                 135
Cys Ser Leu Glu Lys Ile Gln Glu Glu Leu Lys Leu Gln Pro Pro
               140                 145                 150
Ala Val Leu Thr Leu Glu Asp Thr Asp Val Ala Asn Gly Val Met
               155                 160                 165
Asn Gly His Thr Pro Met His Leu Glu Pro Ala Pro Asn Phe Arg
               170                 175                 180
Met Glu Pro Val Thr Ala Leu Gly Ile Leu Ser Leu Ile Leu Asn
               185                 190                 195
Ile Met Cys Ala Ala Leu Asn Leu Ile Arg Gly Val His Leu Ala
               200                 205                 210
Glu His Ser Leu Gln Val Ala His Glu Glu Ile Gly Asn Ile Leu
               215                 220                 225
Ala Phe Leu Val Pro Phe Val Ala Cys Ile Phe Gln Asp Pro Arg
               230                 235                 240
Ser Trp Phe Cys Trp Leu Asp Gln Thr Ser
               245                 250


<210> 29
<211> 84
<212> PRT
<213> Homo sapiens

<220>
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<221> misc_feature
<223> Incyte Clone No: 2778171

<400> 29
Met Ala Thr Gly Thr Asp Gln Val Val Gly Leu Gly Leu Val Ala
1 5 10 15
Val Ser Leu Ile Ile Phe Thr Tyr Tyr Thr Ala Trp Val Ile Leu
20 25 30
Leu Pro Phe Ile Asp Ser Gln His Val Ile His Lys Tyr Phe Leu
35 40 45
Pro Arg Ala Tyr Ala Val Ala Ile Pro Leu Ala Ala Gly Leu Leu
50 55 60
Leu Leu Leu Phe Val Gly Leu Phe Ile Ser Tyr Val Met Leu Lys
65 70 75
Ser Lys Arg Val Thr Lys Lys Ala Gln
80

<210> 30
<211> 277
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2799575

<400> 30
Met Ala Ser Ala Glu Leu Asp Tyr Thr Ile Glu Ile Pro Asp Gln
1 5 10 15
Pro Cys Trp Ser Gln Lys Asn Ser Pro Ser Pro Gly Gly Lys Glu
20 25 30
Ala Glu Thr Arg Gln Pro Val Val Ile Leu Leu Gly Trp Gly Gly
35 40 45
Cys Lys Asp Lys Asn Leu Ala Lys Tyr Ser Ala Ile Tyr His Lys
50 55 60
Arg Gly Cys Ile Val Ile Arg Tyr Thr Ala Pro Trp His Met Val
65 70 75
Phe Phe Ser Glu Ser Leu Gly Ile Pro Ser Leu Arg Val Leu Ala
80 85 90
Gln Lys Leu Leu Glu Leu Leu Phe Asp Tyr Glu Ile Glu Lys Glu
95 100 105
Pro Leu Leu Phe His Val Phe Ser Asn Gly Gly Val Met Leu Tyr
110 115 120
Arg Tyr Val Leu Glu Leu Leu Gln Thr Arg Arg Phe Cys Arg Leu
125 130 135
Arg Val Val Gly Thr Ile Phe Asp Ser Ala Pro Gly Asp Ser Asn
140 145 150
Leu Val Gly Ala Leu Arg Ala Leu Ala Ala Ile Leu Glu Arg Arg
155 160 165
Ala Ala Met Leu Arg Leu Leu Leu Leu Val Ala Phe Ala Leu Val
170 175 180
Val Val Leu Phe His Val Leu Leu Ala Pro Ile Thr Ala Leu Phe
185 190 195
His Thr His Phe Tyr Asp Arg Leu Gln Asp Ala Gly Ser Arg Trp

```
                200                 205                 210
Pro Glu Leu Tyr Leu Tyr Ser Arg Ala Asp Glu Val Val Leu Ala
                215                 220                 225
Arg Asp Ile Glu Arg Met Val Glu Ala Arg Leu Ala Arg Arg Val
                230                 235                 240
Leu Ala Arg Ser Val Asp Phe Val Ser Ser Ala His Val Ser His
                245                 250                 255
Leu Arg Asp Tyr Pro Thr Tyr Tyr Thr Ser Leu Cys Val Asp Phe
                260                 265                 270
Met Arg Asn Cys Val Arg Cys
                275
```

<210> 31
<211> 273
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2804955

<400> 31

```
Met Ser Gly Ser Gln Ser Glu Val Ala Pro Ser Pro Gln Ser Pro
  1                 5                  10                  15
Arg Ser Pro Glu Met Gly Arg Asp Leu Arg Pro Gly Ser Arg Val
                 20                  25                  30
Leu Leu Leu Leu Leu Leu Leu Leu Leu Val Tyr Leu Thr Gln Pro
                 35                  40                  45
Gly Asn Gly Asn Glu Gly Ser Val Thr Gly Ser Cys Tyr Cys Gly
                 50                  55                  60
Lys Arg Ile Ser Ser Asp Ser Pro Pro Ser Val Gln Phe Met Asn
                 65                  70                  75
Arg Leu Arg Lys His Leu Arg Ala Tyr His Arg Cys Leu Tyr Tyr
                 80                  85                  90
Thr Arg Phe Gln Leu Leu Ser Trp Ser Val Cys Gly Gly Asn Lys
                 95                 100                 105
Asp Pro Trp Val Gln Glu Leu Met Ser Cys Leu Asp Leu Lys Glu
                110                 115                 120
Cys Gly His Ala Tyr Ser Gly Ile Val Ala His Gln Lys His Leu
                125                 130                 135
Leu Pro Thr Ser Pro Pro Ile Ser Gln Ala Ser Glu Gly Ala Ser
                140                 145                 150
Ser Asp Ile His Thr Pro Ala Gln Met Leu Leu Ser Thr Leu Gln
                155                 160                 165
Ser Thr Gln Arg Pro Thr Leu Pro Val Gly Ser Leu Ser Ser Asp
                170                 175                 180
Lys Glu Leu Thr Arg Pro Asn Glu Thr Thr Ile His Thr Ala Gly
                185                 190                 195
His Ser Leu Ala Ala Gly Pro Glu Ala Gly Glu Asn Gln Lys Gln
                200                 205                 210
Pro Glu Lys Asn Ala Gly Pro Thr Ala Arg Thr Ser Ala Thr Val
                215                 220                 225
Pro Val Leu Cys Leu Leu Ala Ile Ile Phe Ile Leu Thr Ala Ala
```

```
                230                 235                 240
Leu Ser Tyr Val Leu Cys Lys Arg Arg Arg Gly Gln Ser Pro Gln
                245                 250                 255
Ser Ser Pro Asp Leu Pro Val His Tyr Ile Pro Val Ala Pro Asp
                260                 265                 270
Ser Asn Thr


<210> 32
<211> 524
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2806395


<400> 32
Met Ser Gln Gly Ser Pro Gly Asp Trp Ala Pro Leu Asp Pro Thr
  1               5                  10                  15
Pro Gly Pro Pro Ala Ser Pro Asn Pro Phe Val His Glu Leu His
                20                  25                  30
Leu Ser Arg Leu Gln Arg Val Lys Phe Cys Leu Leu Gly Ala Leu
                35                  40                  45
Leu Ala Pro Ile Arg Val Leu Leu Ala Phe Ile Val Leu Phe Leu
                50                  55                  60
Leu Trp Pro Phe Ala Trp Leu Gln Val Ala Gly Leu Ser Glu Glu
                65                  70                  75
Gln Leu Gln Glu Pro Ile Thr Gly Trp Arg Lys Thr Val Cys His
                80                  85                  90
Asn Gly Val Leu Gly Leu Ser Arg Leu Leu Phe Phe Leu Leu Gly
                95                 100                 105
Phe Leu Arg Ile Arg Val Arg Gly Gln Arg Ala Ser Arg Leu Gln
               110                 115                 120
Ala Pro Val Leu Val Ala Ala Pro His Ser Thr Phe Phe Asp Pro
               125                 130                 135
Ile Val Leu Leu Pro Cys Asp Leu Pro Lys Val Val Ser Arg Ala
               140                 145                 150
Glu Asn Leu Ser Val Pro Val Ile Gly Ala Leu Leu Arg Phe Asn
               155                 160                 165
Gln Ala Ile Leu Val Ser Arg His Asp Pro Ala Ser Arg Arg Arg
               170                 175                 180
Val Val Glu Glu Val Arg Arg Arg Ala Thr Ser Gly Gly Lys Trp
               185                 190                 195
Pro Gln Val Leu Phe Phe Pro Glu Gly Thr Cys Ser Asn Lys Lys
               200                 205                 210
Ala Leu Leu Lys Phe Lys Pro Gly Ala Phe Ile Ala Gly Val Pro
               215                 220                 225
Val Gln Pro Val Leu Ile Arg Tyr Pro Asn Ser Leu Asp Thr Thr
               230                 235                 240
Ser Trp Ala Trp Arg Gly Pro Gly Val Leu Lys Val Leu Trp Leu
               245                 250                 255
Thr Ala Ser Gln Pro Cys Ser Ile Val Asp Val Glu Phe Leu Pro
               260                 265                 270
Val Tyr His Pro Ser Pro Glu Glu Ser Arg Asp Pro Thr Leu Tyr
               275                 280                 285
```

```
Ala Asn Asn Val Gln Arg Val Met Ala Gln Ala Leu Gly Ile Pro
                290                 295                 300
Ala Thr Glu Cys Glu Phe Val Gly Ser Leu Pro Val Ile Val Val
                305                 310                 315
Gly Arg Leu Lys Val Ala Leu Glu Pro Gln Leu Trp Glu Leu Gly
                320                 325                 330
Lys Val Leu Arg Lys Ala Gly Leu Ser Ala Gly Tyr Val Asp Ala
                335                 340                 345
Gly Ala Glu Pro Gly Arg Ser Arg Met Ile Ser Gln Glu Glu Phe
                350                 355                 360
Ala Arg Gln Leu Gln Leu Ser Asp Pro Gln Thr Val Ala Gly Ala
                365                 370                 375
Phe Gly Tyr Phe Gln Gln Asp Thr Lys Gly Leu Val Asp Phe Arg
                380                 385                 390
Asp Val Ala Leu Ala Leu Ala Ala Leu Asp Gly Gly Arg Ser Leu
                395                 400                 405
Glu Glu Leu Thr Arg Leu Ala Phe Glu Leu Phe Ala Glu Glu Gln
                410                 415                 420
Ala Glu Gly Pro Asn Arg Leu Leu Tyr Lys Asp Gly Phe Ser Thr
                425                 430                 435
Ile Leu His Leu Leu Leu Gly Ser Pro His Pro Ala Ala Thr Ala
                440                 445                 450
Leu His Ala Glu Leu Cys Gln Ala Gly Ser Ser Gln Gly Leu Ser
                455                 460                 465
Leu Cys Gln Phe Gln Asn Phe Ser Leu His Asp Pro Leu Tyr Gly
                470                 475                 480
Lys Leu Phe Ser Thr Tyr Leu Arg Pro Pro His Thr Ser Arg Gly
                485                 490                 495
Thr Ser Gln Thr Pro Asn Ala Ser Ser Pro Gly Asn Pro Thr Ala
                500                 505                 510
Leu Ala Asn Gly Thr Val Gln Ala Pro Lys Gln Lys Gly Asp
                515                 520
```

<210> 33
<211> 257
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2836858

<400> 33

```
Met Asp Phe Ser Arg Leu His Met Tyr Ser Pro Pro Gln Cys Val
  1               5                  10                  15
Pro Glu Asn Thr Gly Tyr Thr Tyr Ala Leu Ser Ser Ser Tyr Ser
                20                  25                  30
Ser Asp Ala Leu Asp Phe Glu Thr Glu His Lys Leu Asp Pro Val
                35                  40                  45
Phe Asp Ser Pro Arg Met Ser Arg Arg Ser Leu Arg Leu Ala Thr
                50                  55                  60
Thr Ala Cys Thr Leu Gly Asp Gly Glu Ala Val Gly Ala Asp Ser
                65                  70                  75
Gly Thr Ser Ser Ala Val Ser Leu Lys Asn Arg Ala Ala Arg Thr
                80                  85                  90
```

```
Thr Lys Gln Arg Arg Ser Thr Asn Lys Ser Ala Phe Ser Ile Asn
                 95                  100                 105
His Val Ser Arg Gln Val Thr Ser Ser Gly Val Ser His Gly Gly
                110                 115                 120
Thr Val Ser Leu Gln Asp Ala Val Thr Arg Arg Pro Pro Val Leu
                125                 130                 135
Asp Glu Ser Trp Ile Arg Glu Gln Thr Thr Val Asp His Phe Trp
                140                 145                 150
Gly Leu Asp Asp Asp Gly Asp Leu Lys Gly Gly Asn Lys Ala Ala
                155                 160                 165
Ile Gln Gly Asn Gly Asp Val Gly Ala Ala Ala Ala Thr Ala His
                170                 175                 180
Asn Gly Phe Ser Cys Ser Asn Cys Ser Met Leu Ser Glu Arg Lys
                185                 190                 195
Asp Val Leu Thr Ala His Pro Ala Ala Pro Gly Pro Val Ser Arg
                200                 205                 210
Val Tyr Ser Arg Asp Arg Asn Gln Lys Cys Lys Ser Gln Ser Phe
                215                 220                 225
Lys Thr Gln Lys Lys Val Cys Phe Pro Asn Leu Ile Phe Pro Phe
                230                 235                 240
Cys Lys Ser Gln Cys Leu His Tyr Leu Ser Trp Arg Leu Lys Ile
                245                 250                 255
Ile Pro


<210> 34
<211> 274
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2844513


<400> 34
Met Arg Ala Ala Gly Val Gly Leu Val Asp Cys His Cys His Leu
  1               5                  10                  15
Ser Ala Pro Asp Phe Asp Arg Asp Leu Asp Asp Val Leu Glu Lys
                 20                  25                  30
Ala Lys Lys Ala Asn Val Val Ala Leu Val Ala Val Ala Glu His
                 35                  40                  45
Ser Gly Glu Phe Glu Lys Ile Met Gln Leu Ser Glu Arg Tyr Asn
                 50                  55                  60
Gly Phe Val Leu Pro Cys Leu Gly Val His Pro Val Gln Gly Leu
                 65                  70                  75
Pro Pro Glu Asp Gln Arg Ser Val Thr Leu Lys Asp Leu Asp Val
                 80                  85                  90
Ala Leu Pro Ile Ile Glu Asn Tyr Lys Asp Arg Leu Leu Ala Ile
                 95                 100                 105
Gly Glu Val Gly Leu Asp Phe Ser Pro Arg Phe Ala Gly Thr Gly
                110                 115                 120
Glu Gln Lys Glu Glu Gln Arg Gln Val Leu Ile Arg Gln Ile Gln
                125                 130                 135
Leu Ala Lys Arg Leu Asn Leu Pro Val Asn Val His Ser Arg Ser
                140                 145                 150
Ala Gly Arg Pro Thr Ile Asn Leu Leu Gln Glu Gln Gly Ala Glu
```

```
                155                 160                 165
Lys Val Leu Leu His Ala Phe Asp Gly Arg Pro Ser Val Ala Met
                170                 175                 180
Glu Gly Val Arg Ala Gly Tyr Phe Phe Ser Ile Pro Pro Ser Ile
                185                 190                 195
Ile Arg Ser Gly Gln Lys Gln Lys Leu Val Lys Gln Leu Pro Leu
                200                 205                 210
Thr Ser Ile Cys Leu Glu Thr Asp Ser Pro Ala Leu Gly Pro Glu
                215                 220                 225
Lys Gln Val Arg Asn Glu Pro Trp Asn Ile Ser Ile Ser Ala Glu
                230                 235                 240
Tyr Ile Ala Gln Val Lys Gly Ile Ser Val Glu Glu Val Ile Glu
                245                 250                 255
Val Thr Thr Gln Asn Ala Leu Lys Leu Phe Pro Lys Leu Arg His
                260                 265                 270
Leu Leu Gln Lys
```

<210> 35
<211> 281
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3000380

<400> 35

```
Met Ser Glu Pro Gln Pro Asp Leu Glu Pro Pro Gln His Gly Leu
  1                 5                  10                  15
Tyr Met Leu Phe Leu Leu Val Leu Val Phe Phe Leu Met Gly Leu
                 20                  25                  30
Val Gly Phe Met Ile Cys His Val Leu Lys Lys Lys Gly Tyr Arg
                 35                  40                  45
Cys Arg Thr Ser Arg Gly Ser Glu Pro Asp Asp Ala Gln Leu Gln
                 50                  55                  60
Pro Pro Glu Asp Asp Asp Met Asn Glu Asp Thr Val Glu Arg Ile
                 65                  70                  75
Val Arg Cys Ile Ile Gln Asn Glu Val Trp Met Pro Pro Pro Ala
                 80                  85                  90
Cys Arg Thr Glu Pro Pro Pro Ile Ile Thr Gln Cys Thr Trp Ala
                 95                 100                 105
Leu Gln Pro Leu Ala Val His Cys Ser Arg Ser Lys Arg Pro Pro
                110                 115                 120
Leu Val Arg Gln Gly Arg Ser Lys Glu Gly Lys Ser Arg Pro Arg
                125                 130                 135
Thr Gly Glu Thr Thr Val Phe Ser Val Gly Arg Phe Arg Val Thr
                140                 145                 150
His Ile Glu Lys Arg Tyr Gly Leu His Glu His Arg Asp Gly Ser
                155                 160                 165
Pro Thr Asp Arg Ser Trp Gly Ser Arg Gly Gly Gln Asp Pro Gly
                170                 175                 180
Gly Gly Gln Gly Ser Gly Gly Gly His Pro Lys Ala Gly Met Leu
                185                 190                 195
```

```
Pro Trp Arg Gly Cys Pro Pro Glu Arg Pro Gln Pro Gln Val Leu
                200                 205                 210
Ala Ser Pro Pro Val Gln Asn Gly Gly Leu Arg Asp Ser Ser Leu
                215                 220                 225
Thr Pro Arg Ala Leu Glu Gly Asn Pro Arg Ala Ser Ala Glu Pro
                230                 235                 240
Thr Leu Arg Ala Gly Gly Arg Gly Pro Ser Pro Gly Leu Pro Thr
                245                 250                 255
Gln Glu Ala Asn Gly Gln Pro Ser Lys Pro Asp Thr Ser Asp His
                260                 265                 270
Gln Val Ser Leu Pro Gln Gly Ala Gly Ser Met
                275                 280


<210> 36
<211> 335
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 182532


<400> 36
Met Gly Pro Leu Ser Ala Pro Pro Cys Thr His Leu Ile Thr Trp
  1               5                  10                  15
Lys Gly Val Leu Leu Thr Ala Ser Leu Leu Asn Phe Trp Asn Pro
                20                  25                  30
Pro Thr Thr Ala Gln Val Thr Ile Glu Ala Gln Pro Pro Lys Val
                35                  40                  45
Ser Glu Gly Lys Asp Val Leu Leu Leu Val His Asn Leu Pro Gln
                50                  55                  60
Asn Leu Ala Gly Tyr Ile Trp Tyr Lys Gly Gln Met Thr Tyr Val
                65                  70                  75
Tyr His Tyr Ile Ile Ser Tyr Ile Val Asp Gly Lys Ile Ile Ile
                80                  85                  90
Tyr Gly Pro Ala Tyr Ser Gly Arg Glu Arg Val Tyr Ser Asn Ala
                95                 100                 105
Ser Leu Leu Ile Gln Asn Val Thr Gln Glu Asp Ala Gly Ser Tyr
                110                 115                 120
Thr Leu His Ile Ile Lys Arg Gly Asp Gly Thr Arg Gly Glu Thr
                125                 130                 135
Gly His Phe Thr Phe Thr Leu Tyr Leu Glu Thr Pro Lys Pro Ser
                140                 145                 150
Ile Ser Ser Ser Asn Leu Tyr Pro Arg Glu Asp Met Glu Ala Val
                155                 160                 165
Ser Leu Thr Cys Asp Pro Glu Thr Pro Asp Ala Ser Tyr Leu Trp
                170                 175                 180
Trp Met Asn Gly Gln Ser Leu Pro Met Thr His Ser Leu Gln Leu
                185                 190                 195
Ser Lys Asn Lys Arg Thr Leu Phe Leu Phe Gly Val Thr Lys Tyr
                200                 205                 210
Thr Ala Gly Pro Tyr Glu Cys Glu Ile Arg Asn Pro Val Ser Gly
                215                 220                 225
Ile Arg Ser Asp Pro Val Thr Leu Asn Val Leu Tyr Gly Pro Asp
                230                 235                 240
```

```
Leu Pro Ser Ile Tyr Pro Ser Phe Thr Tyr Tyr Arg Ser Gly Glu
                245                 250                 255
Asn Leu Tyr Leu Ser Cys Phe Ala Glu Ser Asn Pro Arg Ala Gln
                260                 265                 270
Tyr Ser Trp Thr Ile Asn Gly Lys Phe Gln Leu Ser Gly Gln Lys
                275                 280                 285
Leu Phe Ile Pro Gln Ile Thr Thr Lys His Ser Gly Leu Tyr Ala
                290                 295                 300
Cys Ser Val Arg Asn Ser Ala Thr Gly Met Glu Ser Ser Lys Ser
                305                 310                 315
Met Thr Val Lys Val Ser Ala Pro Ser Gly Thr Gly His Leu Pro
                320                 325                 330
Gly Leu Asn Pro Leu
                335


<210> 37
<211> 280
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 239589


<400> 37
Met Asp Leu Gln Gly Arg Gly Val Pro Ser Ile Asp Arg Leu Arg
  1                 5                  10                  15
Val Leu Leu Met Leu Phe His Thr Met Ala Gln Ile Met Ala Glu
                 20                  25                  30
Gln Glu Val Glu Asn Leu Ser Gly Leu Ser Thr Asn Pro Glu Lys
                 35                  40                  45
Asp Ile Phe Val Val Arg Glu Asn Gly Thr Thr Cys Leu Met Ala
                 50                  55                  60
Glu Phe Ala Ala Lys Phe Ile Val Pro Tyr Asp Val Trp Ala Ser
                 65                  70                  75
Asn Tyr Val Asp Leu Ile Thr Glu Gln Ala Asp Ile Ala Leu Thr
                 80                  85                  90
Arg Gly Ala Glu Val Lys Gly Arg Cys Gly His Ser Gln Ser Glu
                 95                 100                 105
Leu Gln Val Phe Trp Val Asp Arg Ala Tyr Ala Leu Lys Met Leu
                110                 115                 120
Phe Val Lys Glu Ser His Asn Met Ser Lys Gly Pro Glu Ala Thr
                125                 130                 135
Trp Arg Leu Ser Lys Val Gln Phe Val Tyr Asp Ser Ser Glu Lys
                140                 145                 150
Thr His Phe Lys Asp Ala Val Ser Ala Gly Lys His Thr Ala Asn
                155                 160                 165
Ser His His Leu Ser Ala Leu Val Thr Pro Ala Gly Lys Ser Tyr
                170                 175                 180
Glu Cys Gln Ala Gln Gln Thr Ile Ser Leu Ala Ser Ser Asp Pro
                185                 190                 195
Gln Lys Thr Val Thr Met Ile Leu Ser Ala Val His Ile Gln Pro
                200                 205                 210
Phe Asp Ile Ile Ser Asp Phe Val Phe Ser Glu Glu His Lys Cys
                215                 220                 225
```

```
Pro Val Asp Glu Arg Glu Gln Leu Glu Glu Thr Leu Pro Leu Ile
                230                 235                 240
Leu Gly Leu Ile Leu Gly Leu Val Ile Met Val Thr Leu Ala Ile
                245                 250                 255
Tyr His Val His His Lys Met Thr Ala Asn Gln Val Gln Ile Pro
                260                 265                 270
Arg Asp Arg Ser Gln Tyr Lys His Met Gly
                275                 280
```

<210> 38
<211> 210
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1671302

<400> 38

```
Met Ser Arg Met Phe Cys Gln Ala Ala Arg Val Asp Leu Thr Leu
  1                 5                  10                  15
Asp Pro Asp Thr Ala His Pro Ala Leu Met Leu Ser Pro Asp Arg
                 20                  25                  30
Arg Gly Val Arg Leu Ala Glu Arg Arg Gln Glu Val Ala Asp His
                 35                  40                  45
Pro Lys Arg Phe Ser Ala Asp Cys Cys Val Leu Gly Ala Gln Gly
                 50                  55                  60
Phe Arg Ser Gly Arg His Tyr Trp Glu Val Glu Val Gly Gly Arg
                 65                  70                  75
Arg Gly Trp Ala Val Gly Ala Ala Arg Glu Ser Thr His His Lys
                 80                  85                  90
Glu Lys Val Gly Pro Gly Gly Ser Ser Val Gly Ser Gly Asp Ala
                 95                 100                 105
Ser Ser Ser Arg His His His Arg Arg Arg Arg Leu His Leu Pro
                110                 115                 120
Gln Gln Pro Leu Leu Gln Arg Glu Val Trp Cys Val Gly Thr Asn
                125                 130                 135
Gly Lys Arg Tyr Gln Ala Gln Ser Ser Thr Glu Gln Thr Leu Leu
                140                 145                 150
Ser Pro Ser Glu Lys Pro Arg Arg Phe Gly Val Tyr Leu Asp Tyr
                155                 160                 165
Glu Ala Gly Arg Leu Gly Phe Tyr Asn Ala Glu Thr Leu Ala His
                170                 175                 180
Val His Thr Phe Ser Ala Ala Phe Leu Gly Glu Arg Val Phe Pro
                185                 190                 195
Phe Phe Arg Val Leu Ser Lys Gly Thr Arg Ile Lys Leu Cys Pro
                200                 205                 210
```

<210> 39
<211> 279
<212> PRT
<213> Homo sapiens

<220>

<221> misc_feature
<223> Incyte Clone No: 2041858

<400> 39
Met Glu Ala Val Val Asn Leu Tyr Gln Glu Val Met Lys His Ala
1 5 10 15
Asp Pro Arg Ile Gln Gly Tyr Pro Leu Met Gly Ser Pro Leu Leu
20 25 30
Met Thr Ser Ile Leu Leu Thr Tyr Val Tyr Phe Val Leu Ser Leu
35 40 45
Gly Pro Arg Ile Met Ala Asn Arg Lys Pro Phe Gln Leu Arg Gly
50 55 60
Phe Met Ile Val Tyr Asn Phe Ser Leu Val Ala Leu Ser Leu Tyr
65 70 75
Ile Val Tyr Glu Phe Leu Met Ser Gly Trp Leu Ser Thr Tyr Thr
80 85 90
Trp Arg Cys Asp Pro Val Asp Tyr Ser Asn Ser Pro Glu Ala Leu
95 100 105
Arg Met Val Arg Val Ala Trp Leu Phe Leu Phe Ser Lys Phe Ile
110 115 120
Glu Leu Met Asp Thr Val Ile Phe Ile Leu Arg Lys Lys Asp Gly
125 130 135
Gln Val Thr Phe Leu His Val Phe His His Ser Val Leu Pro Trp
140 145 150
Ser Trp Trp Trp Gly Val Lys Ile Ala Pro Gly Gly Met Gly Ser
155 160 165
Phe His Ala Met Ile Asn Ser Ser Val His Val Ile Met Tyr Leu
170 175 180
Tyr Tyr Gly Leu Ser Ala Phe Gly Pro Val Ala Gln Pro Tyr Leu
185 190 195
Trp Trp Lys Lys His Met Thr Ala Ile Gln Leu Ile Gln Phe Val
200 205 210
Leu Val Ser Leu His Ile Ser Gln Tyr Tyr Phe Met Ser Ser Cys
215 220 225
Asn Tyr Gln Tyr Pro Val Ile Ile His Leu Ile Trp Met Tyr Gly
230 235 240
Thr Ile Phe Phe Met Leu Phe Ser Asn Phe Trp Tyr His Ser Tyr
245 250 255
Thr Lys Gly Lys Arg Leu Pro Arg Ala Leu Gln Gln Asn Gly Ala
260 265 270
Pro Gly Ile Ala Lys Val Lys Ala Asn
275

<210> 40
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2198863

<400> 40
Met Gly Lys Ser Ala Ser Lys Gln Phe His Asn Glu Val Leu Lys

```
  1               5                  10                  15
Ala His Asn Glu Tyr Arg Gln Lys His Gly Val Pro Pro Leu Lys
                20                  25                  30
Leu Cys Lys Asn Leu Asn Arg Glu Ala Gln Gln Tyr Ser Glu Ala
                35                  40                  45
Leu Ala Ser Thr Arg Ile Leu Lys His Ser Pro Glu Ser Ser Arg
                50                  55                  60
Gly Gln Cys Gly Glu Asn Leu Ala Trp Ala Ser Tyr Asp Gln Thr
                65                  70                  75
Gly Lys Glu Val Ala Asp Arg Trp Tyr Ser Glu Ile Lys Asn Tyr
                80                  85                  90
Asn Phe Gln Gln Pro Gly Phe Thr Ser Gly Thr Gly His Phe Thr
                95                 100                 105
Ala Met Val Trp Lys Asn Thr Lys Lys Met Gly Val Gly Lys Ala
               110                 115                 120
Ser Ala Ser Asp Gly Ser Ser Phe Val Val Ala Arg Tyr Phe Pro
               125                 130                 135
Ala Gly Asn Val Val Asn Glu Gly Phe Phe Glu Glu Asn Val Leu
               140                 145                 150
Pro Pro Lys Lys
```

<210> 41
<211> 582
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3250703

<400> 41

```
Met Lys Pro Asn Ile Ile Phe Val Leu Ser Leu Leu Leu Ile Leu
  1               5                  10                  15
Glu Lys Gln Ala Ala Val Met Gly Gln Lys Gly Gly Ser Lys Gly
                20                  25                  30
Arg Leu Pro Ser Glu Phe Ser Gln Phe Pro His Gly Gln Lys Gly
                35                  40                  45
Gln His Tyr Ser Gly Gln Lys Gly Lys Gln Gln Thr Glu Ser Lys
                50                  55                  60
Gly Ser Phe Ser Ile Gln Tyr Thr Tyr His Val Asp Ala Asn Asp
                65                  70                  75
His Asp Gln Ser Arg Lys Ser Gln Gln Tyr Asp Leu Asn Ala Leu
                80                  85                  90
His Lys Thr Thr Lys Ser Gln Arg His Leu Gly Gly Ser Gln Gln
                95                 100                 105
Leu Leu His Asn Lys Gln Glu Gly Arg Asp His Asp Lys Ser Lys
               110                 115                 120
Gly His Phe His Arg Val Val Ile His His Lys Gly Gly Lys Ala
               125                 130                 135
His Arg Gly Thr Gln Asn Pro Ser Gln Asp Gln Gly Asn Ser Pro
               140                 145                 150
Ser Gly Lys Gly Ile Ser Ser Gln Tyr Ser Asn Thr Glu Glu Arg
               155                 160                 165
```

```
Leu Trp Val His Gly Leu Ser Lys Glu Gln Thr Ser Val Ser Gly
                170                 175                 180
Ala Gln Lys Gly Arg Lys Gln Gly Gly Ser Gln Ser Ser Tyr Val
                185                 190                 195
Leu Gln Thr Glu Glu Leu Val Ala Asn Lys Gln Gln Arg Glu Thr
                200                 205                 210
Lys Asn Ser His Gln Asn Lys Gly His Tyr Gln Asn Val Val Glu
                215                 220                 225
Val Arg Glu Glu His Ser Ser Lys Val Gln Thr Ser Leu Cys Pro
                230                 235                 240
Ala His Gln Asp Lys Leu Gln His Gly Ser Lys Asp Ile Phe Ser
                245                 250                 255
Thr Gln Asp Glu Leu Leu Val Tyr Asn Lys Asn Gln His Gln Thr
                260                 265                 270
Lys Asn Leu Asn Gln Asp Gln Gln His Gly Arg Lys Ala Asn Lys
                275                 280                 285
Ile Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg Arg Leu His Tyr
                290                 295                 300
Gly Glu Asn Gly Val Gln Lys Asp Val Ser Gln Ser Ser Ile Tyr
                305                 310                 315
Ser Gln Thr Glu Glu Lys Ile His Gly Lys Ser Gln Asn Gln Val
                320                 325                 330
Thr Ile His Ser Gln Asp Gln Glu His Gly His Lys Glu Asn Lys
                335                 340                 345
Ile Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg His Leu Asn Cys
                350                 355                 360
Gly Glu Lys Gly Ile Gln Lys Gly Val Ser Lys Gly Ser Ile Ser
                365                 370                 375
Ile Gln Thr Glu Glu Gln Ile His Gly Lys Ser Gln Asn Gln Val
                380                 385                 390
Arg Ile Pro Ser Gln Ala Gln Glu Tyr Gly His Lys Glu Asn Lys
                395                 400                 405
Ile Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg Arg Leu Asn Ser
                410                 415                 420
Gly Glu Lys Asp Val Gln Lys Gly Val Ser Lys Gly Ser Ile Ser
                425                 430                 435
Ile Gln Thr Glu Glu Lys Ile His Gly Lys Ser Gln Asn Gln Val
                440                 445                 450
Thr Ile Pro Ser Gln Asp Gln Glu His Gly His Lys Glu Asn Lys
                455                 460                 465
Met Ser Tyr Gln Ser Ser Ser Thr Glu Glu Arg Arg Leu Asn Tyr
                470                 475                 480
Gly Gly Lys Ser Thr Gln Lys Asp Val Ser Gln Ser Ser Ile Ser
                485                 490                 495
Phe Gln Ile Glu Lys Leu Val Glu Gly Lys Ser Gln Ile Gln Thr
                500                 505                 510
Pro Asn Pro Asn Gln Asp Gln Trp Ser Gly Gln Asn Ala Lys Gly
                515                 520                 525
Lys Ser Gly Gln Ser Ala Asp Ser Lys Gln Asp Leu Leu Ser His
                530                 535                 540
Glu Gln Lys Gly Arg Tyr Lys Gln Glu Ser Ser Glu Ser His Asn
                545                 550                 555
Ile Val Ile Thr Glu His Glu Val Ala Gln Asp Asp His Leu Thr
                560                 565                 570
Gln Gln Tyr Asn Glu Asp Arg Asn Pro Ile Ser Thr
                575                 580
```

<210> 42
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 350287

<400> 42
Met Phe Thr Ala Pro Leu Phe Phe Phe Phe Phe Phe Glu Ile Ile
1 5 10 15
Asn Ser Met Arg Asn Leu Gly Leu Asn Ile Cys Leu Leu Cys Leu
20 25 30
Leu Ile Glu His His Ser Arg Pro Ser Val Cys Leu Pro Phe Thr
35 40 45
Pro Lys Ile Phe Thr Lys Lys Ile Leu Arg Gln Gln Val Thr Ile
50 55 60
Tyr Arg Cys Leu Asn Asp Phe Leu Ile Phe Ile
65 70

<210> 43
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1618171

<400> 43
Met Ala Val Leu Pro Ser Val Leu Leu Val Tyr Ser Leu Phe Phe
1 5 10 15
Cys Leu Arg Phe Cys Met Leu Leu Leu Leu Pro Ser Tyr Ser His
20 25 30
Ser Arg Ser Gly Arg Gly Pro Gly Arg Tyr Gly His Ile Thr Leu
35 40 45
Ile Asp Val Ile His Val Ser Val Tyr Trp Phe Phe Glu Ala Leu
50 55 60
Ser Thr Phe Gln Ile Phe Tyr Tyr Cys Ile Thr Arg Thr Ile Thr
65 70 75
Val Arg Lys Gly Ile Val Val Ser Arg His Val Asn Glu Ala Gly
80 85 90
Val Ser Phe Val Ser Tyr Leu Cys Ile Asn Phe Lys
95 100

<210> 44
<211> 226
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1625863

<400> 44
Met Pro Thr Thr Lys Lys Thr Leu Met Phe Leu Ser Ser Phe Phe
1 5 10 15
Thr Ser Leu Gly Ser Phe Ile Val Ile Cys Ser Ile Leu Gly Thr
20 25 30
Gln Ala Trp Ile Thr Ser Thr Ile Ala Val Arg Asp Ser Ala Ser
35 40 45
Asn Gly Ser Ile Phe Ile Thr Tyr Gly Leu Phe Arg Gly Glu Ser
50 55 60
Ser Glu Glu Leu Ser His Gly Leu Ala Glu Pro Lys Lys Lys Phe
65 70 75
Ala Val Leu Glu Ile Leu Asn Asn Ser Ser Gln Lys Thr Leu His
80 85 90
Ser Val Thr Ile Leu Phe Leu Val Leu Ser Leu Ile Thr Ser Leu
95 100 105
Leu Ser Ser Gly Phe Thr Phe Tyr Asn Ser Ile Ser Asn Pro Tyr
110 115 120
Gln Thr Phe Leu Gly Pro Thr Gly Val Tyr Thr Trp Asn Gly Leu
125 130 135
Gly Ala Ser Phe Val Phe Val Thr Met Ile Leu Phe Val Ala Asn
140 145 150
Thr Gln Ser Asn Gln Leu Ser Glu Glu Leu Phe Gln Met Leu Tyr
155 160 165
Pro Ala Thr Thr Ser Lys Gly Thr Thr His Ser Tyr Gly Tyr Ser
170 175 180
Phe Trp Leu Ile Leu Leu Val Ile Leu Leu Asn Ile Val Thr Val
185 190 195
Thr Ile Ile Ile Phe Tyr Gln Lys Ala Arg Tyr Gln Arg Lys Gln
200 205 210
Glu Gln Arg Lys Pro Met Glu Tyr Ala Pro Arg Asp Gly Ile Leu
215 220 225
Phe

<210> 45
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1638353

<400> 45
Met Ala Leu Leu Leu Ser Val Leu Arg Val Leu Leu Gly Gly Phe
1 5 10 15
Phe Ala Leu Val Gly Leu Ala Lys Leu Ser Glu Glu Ile Ser Ala
20 25 30
Pro Val Ser Glu Arg Met Asn Ala Leu Phe Val Gln Phe Ala Glu
35 40 45
Val Phe Pro Leu Lys Val Phe Gly Tyr Gln Pro Asp Pro Leu Asn
50 55 60
Tyr Gln Ile Ala Val Gly Phe Leu Glu Leu Leu Ala Gly Leu Leu
65 70 75

```
Leu Val Met Gly Pro Pro Met Leu Gln Glu Ile Ser Asn Leu Phe
                 80                  85                  90
Leu Ile Leu Leu Met Met Gly Ala Ile Phe Thr Leu Ala Ala Leu
                 95                 100                 105
Lys Glu Ser Leu Ser Thr Cys Ile Pro Ala Ile Val Cys Leu Gly
                110                 115                 120
Phe Leu Leu Leu Leu Asn Val Gly Gln Leu Leu Ala Gln Thr Lys
                125                 130                 135
Lys Val Val Arg Pro Thr Arg Lys Lys Thr Leu Ser Thr Phe Lys
                140                 145                 150
Glu Ser Trp Lys
```

<210> 46
<211> 167
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1726843

<400> 46

```
Met Ala Ser Pro Arg Thr Val Thr Ile Val Ala Leu Ser Val Ala
  1                5                  10                  15
Leu Gly Leu Phe Phe Val Phe Met Gly Thr Ile Lys Leu Thr Pro
                 20                  25                  30
Arg Leu Ser Lys Asp Ala Tyr Ser Glu Met Lys Arg Ala Tyr Lys
                 35                  40                  45
Ser Tyr Val Arg Ala Leu Pro Leu Leu Lys Lys Met Gly Ile Asn
                 50                  55                  60
Ser Ile Leu Leu Arg Lys Ser Ile Gly Ala Leu Glu Val Ala Cys
                 65                  70                  75
Gly Ile Val Met Thr Leu Val Pro Gly Arg Pro Lys Asp Val Ala
                 80                  85                  90
Asn Phe Phe Leu Leu Leu Leu Val Leu Ala Val Leu Phe Phe His
                 95                 100                 105
Gln Leu Val Gly Asp Pro Leu Lys Arg Tyr Ala His Ala Leu Val
                110                 115                 120
Phe Gly Ile Leu Leu Thr Cys Arg Leu Leu Ile Ala Arg Lys Pro
                125                 130                 135
Glu Asp Arg Ser Ser Glu Lys Lys Pro Leu Pro Gly Asn Ala Glu
                140                 145                 150
Glu Gln Pro Ser Leu Tyr Glu Lys Ala Pro Gln Gly Lys Val Lys
                155                 160                 165
Val Ser
```

<210> 47
<211> 545
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1754506

<400> 47

```
Met Ala Gly Ala Ile Ile Glu Asn Met Ser Thr Lys Lys Leu Cys
  1               5                  10                  15
Ile Val Gly Gly Ile Leu Leu Val Phe Gln Ile Ile Ala Phe Leu
             20                  25                  30
Val Gly Gly Leu Ile Ala Pro Gly Pro Thr Thr Ala Val Ser Tyr
             35                  40                  45
Met Ser Val Lys Cys Val Asp Ala Arg Lys Asn His His Lys Thr
             50                  55                  60
Lys Trp Phe Val Pro Trp Gly Pro Asn His Cys Asp Lys Ile Arg
             65                  70                  75
Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn Asp Ile
             80                  85                  90
Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser Pro
             95                 100                 105
Trp Phe Gln Phe Met Leu Phe Ile Leu Gln Leu Asp Ile Ala Phe
            110                 115                 120
Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp
            125                 130                 135
Val Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu
            140                 145                 150
Met Ala His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr
            155                 160                 165
Ser Pro Lys Thr Pro Glu His Glu Gly Arg Tyr Tyr Glu Cys Asp
            170                 175                 180
Val Leu Pro Phe Met Glu Ile Gly Ser Val Ala His Lys Phe Tyr
            185                 190                 195
Leu Leu Asn Ile Arg Leu Pro Val Asn Glu Lys Lys Lys Ile Asn
            200                 205                 210
Val Gly Ile Gly Glu Ile Lys Asp Ile Arg Leu Val Gly Ile His
            215                 220                 225
Gln Asn Gly Gly Phe Thr Lys Val Trp Phe Ala Met Lys Thr Phe
            230                 235                 240
Leu Thr Pro Ser Ile Phe Ile Ile Met Val Trp Tyr Trp Arg Arg
            245                 250                 255
Ile Thr Met Met Ser Arg Pro Pro Val Leu Leu Glu Lys Val Ile
            260                 265                 270
Phe Ala Leu Gly Ile Ser Met Thr Phe Ile Asn Ile Pro Val Glu
            275                 280                 285
Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp Met Leu Leu Phe Gly
            290                 295                 300
Asp Ile Arg Gln Gly Ile Phe Tyr Ala Met Leu Leu Ser Phe Trp
            305                 310                 315
Ile Ile Phe Cys Gly Glu His Met Met Asp Gln His Glu Arg Asn
            320                 325                 330
His Ile Ala Gly Tyr Trp Lys Gln Val Gly Pro Ile Ala Val Gly
            335                 340                 345
Ser Phe Cys Leu Phe Ile Phe Asp Met Cys Glu Arg Gly Val Gln
            350                 355                 360
Leu Thr Asn Pro Phe Tyr Ser Ile Trp Thr Thr Asp Ile Gly Thr
            365                 370                 375
Glu Leu Ala Met Ala Phe Ile Ile Val Ala Gly Ile Cys Leu Cys
            380                 385                 390
Leu Tyr Phe Leu Phe Leu Cys Phe Met Val Phe Gln Val Phe Arg
            395                 400                 405
Asn Ile Ser Gly Lys Gln Ser Ser Leu Pro Ala Met Ser Lys Val
```

```
                410                 415                 420
Arg Arg Leu His Tyr Glu Gly Leu Ile Phe Arg Phe Lys Phe Leu
                425                 430                 435
Met Leu Ile Thr Leu Ala Cys Ala Ala Met Thr Val Ile Phe Phe
                440                 445                 450
Ile Val Ser Gln Val Thr Glu Gly His Trp Lys Trp Gly Gly Val
                455                 460                 465
Thr Val Gln Val Asn Ser Ala Phe Phe Thr Gly Ile Tyr Gly Met
                470                 475                 480
Trp Asn Leu Tyr Val Phe Ala Leu Met Phe Leu Tyr Ala Pro Ser
                485                 490                 495
His Lys Asn Tyr Gly Glu Asp Gln Ser Asn Gly Met Gln Leu Pro
                500                 505                 510
Cys Lys Ser Arg Glu Asp Cys Ala Leu Phe Val Ser Glu Leu Tyr
                515                 520                 525
Gln Glu Leu Phe Ser Ala Ser Lys Tyr Ser Phe Ile Asn Asp Asn
                530                 535                 540
Ala Ala Ser Gly Ile
                545
```


<210> 48
<211> 570
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1831378

<400> 48

```
Met Gly Phe Leu Gln Leu Leu Val Val Ala Val Leu Ala Ser Glu
  1                 5                  10                  15
His Arg Val Ala Gly Ala Ala Glu Val Phe Gly Asn Ser Ser Glu
                 20                  25                  30
Gly Leu Ile Glu Phe Ser Val Gly Lys Phe Arg Tyr Phe Glu Leu
                 35                  40                  45
Asn Arg Pro Phe Pro Glu Glu Ala Ile Leu His Asp Ile Ser Ser
                 50                  55                  60
Asn Val Thr Phe Leu Ile Phe Gln Ile His Ser Gln Tyr Gln Asn
                 65                  70                  75
Thr Thr Val Ser Phe Ser Pro Thr Leu Leu Ser Asn Ser Ser Glu
                 80                  85                  90
Thr Gly Thr Ala Ser Gly Leu Val Phe Ile Leu Arg Pro Glu Gln
                 95                 100                 105
Ser Thr Cys Thr Trp Tyr Leu Gly Thr Ser Gly Ile Gln Pro Val
                110                 115                 120
Gln Asn Met Ala Ile Leu Leu Ser Tyr Ser Glu Arg Asp Pro Val
                125                 130                 135
Pro Gly Gly Cys Asn Leu Glu Phe Asp Leu Asp Ile Asp Pro Asn
                140                 145                 150
Ile Tyr Leu Glu Tyr Asn Phe Phe Glu Thr Thr Ile Lys Phe Ala
                155                 160                 165
Pro Ala Asn Leu Gly Tyr Ala Arg Gly Val Asp Pro Pro Pro Cys
                170                 175                 180
Asp Ala Gly Thr Asp Gln Asp Ser Arg Trp Arg Leu Gln Tyr Asp
```

```
                185                 190                 195
Val Tyr Gln Tyr Phe Leu Pro Glu Asn Asp Leu Thr Glu Glu Met
                200                 205                 210
Leu Leu Lys His Leu Gln Arg Met Val Ser Val Pro Gln Val Lys
                215                 220                 225
Ala Ser Ala Leu Lys Val Val Thr Leu Thr Ala Asn Asp Lys Thr
                230                 235                 240
Ser Val Ser Phe Ser Ser Leu Pro Gly Gln Gly Val Ile Tyr Asn
                245                 250                 255
Val Ile Val Trp Asp Pro Phe Leu Asn Thr Ser Ala Ala Tyr Ile
                260                 265                 270
Pro Ala His Thr Tyr Ala Cys Ser Phe Glu Ala Gly Glu Gly Ser
                275                 280                 285
Cys Ala Ser Leu Gly Arg Val Ser Ser Lys Val Phe Phe Thr Leu
                290                 295                 300
Phe Ala Leu Leu Gly Phe Phe Ile Cys Phe Phe Gly His Arg Phe
                305                 310                 315
Trp Lys Thr Glu Leu Phe Phe Ile Gly Phe Ile Ile Met Gly Phe
                320                 325                 330
Phe Phe Tyr Ile Leu Ile Thr Arg Leu Thr Pro Ile Lys Tyr Asp
                335                 340                 345
Val Asn Leu Ile Leu Thr Ala Val Thr Gly Ser Val Gly Gly Met
                350                 355                 360
Phe Leu Val Ala Val Trp Trp Arg Phe Gly Ile Leu Ser Ile Cys
                365                 370                 375
Met Leu Cys Val Gly Leu Val Leu Gly Phe Leu Ile Ser Ser Val
                380                 385                 390
Thr Phe Phe Thr Pro Leu Gly Asn Leu Lys Ile Phe His Asp Asp
                395                 400                 405
Gly Val Phe Trp Val Thr Phe Ser Cys Ile Ala Ile Leu Ile Pro
                410                 415                 420
Val Val Phe Met Gly Cys Leu Arg Ile Leu Asn Ile Leu Thr Cys
                425                 430                 435
Gly Val Ile Gly Ser Tyr Ser Val Val Leu Ala Ile Asp Ser Tyr
                440                 445                 450
Trp Ser Thr Ser Leu Ser Tyr Ile Thr Leu Asn Val Leu Lys Arg
                455                 460                 465
Ala Leu Asn Lys Asp Phe His Arg Ala Phe Thr Asn Val Pro Phe
                470                 475                 480
Gln Thr Asn Asp Phe Ile Ile Leu Ala Val Trp Gly Met Leu Ala
                485                 490                 495
Val Ser Gly Ile Thr Leu Gln Ile Arg Arg Glu Arg Gly Arg Pro
                500                 505                 510
Phe Phe Pro Pro His Pro Tyr Lys Leu Trp Lys Gln Glu Arg Glu
                515                 520                 525
Arg Arg Val Thr Asn Ile Leu Asp Pro Ser Tyr His Ile Pro Pro
                530                 535                 540
Leu Arg Glu Arg Leu Tyr Gly Arg Leu Thr Gln Ile Lys Gly Leu
                545                 550                 555
Phe Gln Lys Glu Gln Pro Ala Gly Glu Arg Thr Pro Leu Leu Leu
                560                 565                 570
```

<210> 49
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1864943

<400> 49
Met Arg Arg Arg Phe Trp Gly Val Phe Asn Cys Leu Cys Ala Gly
1 5 10 15
Ala Phe Gly Ala Leu Ala Ala Ala Ser Ala Lys Leu Ala Phe Gly
20 25 30
Ser Glu Val Ser Met Gly Leu Cys Val Leu Gly Ile Ile Val Met
35 40 45
Ala Ser Thr Asn Ser Leu Met Trp Thr Phe Phe Ser Arg Gly Leu
50 55 60
Ser Phe Ser Met Ser Ser Ala Ile Ala Ser Val Thr Val Thr Phe
65 70 75
Ser Asn Ile Leu Ser Ser Ala Phe Leu Gly Tyr Val Leu Tyr Gly
80 85 90
Glu Cys Gln Glu Val Leu Trp Trp Gly Gly Val Phe Leu Ile Leu
95 100 105
Cys Gly Leu Thr Leu Ile His Arg Lys Leu Pro Pro Thr Trp Lys
110 115 120
Pro Leu Pro His Lys Gln Gln
125

<210> 50
<211> 152
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1911316

<400> 50
Met Asp Asn Val Gln Pro Lys Ile Lys His Arg Pro Phe Cys Phe
1 5 10 15
Ser Val Lys Gly His Val Lys Met Leu Arg Leu Ala Leu Thr Val
20 25 30
Thr Ser Met Thr Phe Phe Ile Ile Ala Gln Ala Pro Glu Pro Tyr
35 40 45
Ile Val Ile Thr Gly Phe Glu Val Thr Val Ile Leu Phe Phe Ile
50 55 60
Leu Leu Tyr Val Leu Arg Leu Asp Arg Leu Met Lys Trp Leu Phe
65 70 75
Trp Pro Leu Leu Asp Ile Ile Asn Ser Leu Val Thr Thr Val Phe
80 85 90
Met Leu Ile Val Ser Val Leu Ala Leu Ile Pro Glu Thr Thr Thr
95 100 105
Leu Thr Val Gly Gly Gly Val Phe Ala Leu Val Thr Ala Val Cys
110 115 120
Cys Leu Ala Asp Gly Ala Leu Ile Tyr Arg Lys Leu Leu Phe Asn
125 130 135
Pro Ser Gly Pro Tyr Gln Lys Lys Pro Val His Glu Lys Lys Glu
140 145 150
Val Leu

<210> 51
<211> 777
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1943120

<400> 51

```
Met Thr Phe Tyr Pro Phe Val Ala Ser Ser Ser Thr Arg Arg Val
  1               5                  10                  15
Asp Asn Ser Asn Thr Arg Leu Ala Val Gln Ile Glu Arg Asp Pro
             20                  25                  30
Gly Asn Asp Asp Asn Asn Leu Asn Ser Ile Phe Tyr Glu His Leu
             35                  40                  45
Thr Arg Thr Leu Leu Glu Ser Leu Cys Gly Asp Leu Val Leu Gly
             50                  55                  60
Arg Trp Gly Asn Tyr Ser Ser Gly Asp Cys Phe Ile Leu Ala Ser
             65                  70                  75
Asp Asp Leu Asn Ala Phe Val His Leu Ile Glu Ile Gly Asn Gly
             80                  85                  90
Leu Val Thr Phe Gln Leu Arg Gly Leu Glu Phe Arg Gly Thr Tyr
             95                 100                 105
Cys Gln Gln Arg Glu Val Glu Ala Ile Met Glu Gly Asp Glu Glu
            110                 115                 120
Asp Arg Gly Cys Cys Cys Cys Lys Pro Gly His Leu Pro His Leu
            125                 130                 135
Leu Ser Arg Asn Ala Ala Phe His Leu Arg Trp Leu Thr Trp Glu
            140                 145                 150
Ile Thr Gln Thr Gln Tyr Ile Leu Glu Gly Tyr Ser Ile Leu Asp
            155                 160                 165
Asn Asn Ala Ala Thr Met Leu Gln Val Phe Asp Leu Arg Arg Ile
            170                 175                 180
Leu Ile Arg Tyr Tyr Ile Lys Ser Ile Ile Tyr Tyr Met Val Thr
            185                 190                 195
Ser Pro Lys Leu Leu Ser Trp Ile Lys Asn Glu Ser Leu Leu Lys
            200                 205                 210
Ser Leu Gln Pro Phe Ala Lys Trp His Tyr Ile Glu Arg Asp Leu
            215                 220                 225
Ala Met Phe Asn Ile Asn Ile Asp Asp Asp Tyr Val Pro Cys Leu
            230                 235                 240
Gln Gly Ile Thr Arg Ala Ser Phe Cys Asn Val Tyr Leu Glu Trp
            245                 250                 255
Ile Gln His Cys Ala Arg Lys Arg Gln Glu Pro Ser Thr Thr Leu
            260                 265                 270
Asp Ser Asp Glu Asp Ser Pro Leu Val Thr Leu Ser Phe Ala Leu
            275                 280                 285
Cys Thr Leu Gly Arg Arg Ala Leu Gly Thr Ala Ala His Asn Met
            290                 295                 300
Ala Ile Ser Leu Asp Ser Phe Leu Tyr Gly Leu His Val Leu Phe
            305                 310                 315
Lys Gly Asp Phe Arg Ile Thr Ala Arg Asp Glu Trp Val Phe Ala
            320                 325                 330
Asp Met Asp Leu Leu His Lys Val Val Ala Pro Ala Ile Arg Met
```

```
                335                 340                 345
Ser Leu Lys Leu His Gln Asp Gln Phe Thr Cys Pro Asp Glu Tyr
            350                 355                 360
Glu Asp Pro Ala Val Leu Tyr Glu Ala Ile Gln Ser Phe Glu Lys
        365                 370                 375
Lys Val Val Ile Cys His Glu Gly Asp Pro Ala Trp Arg Gly Ala
    380                 385                 390
Val Leu Ser Asn Lys Glu Glu Leu Leu Thr Leu Arg His Val Val
395                 400                 405
Asp Glu Gly Ala Asp Glu Tyr Lys Val Ile Met Leu His Arg Ser
            410                 415                 420
Phe Leu Ser Phe Lys Val Ile Lys Val Asn Lys Glu Cys Val Arg
        425                 430                 435
Gly Leu Trp Ala Gly Gln Gln Gln Glu Leu Ile Phe Leu Arg Asn
    440                 445                 450
Arg Asn Pro Glu Arg Gly Ser Ile Gln Asn Asn Lys Gln Val Leu
455                 460                 465
Arg Asn Leu Ile Asn Ser Ser Cys Asp Gln Pro Leu Gly Tyr Pro
            470                 475                 480
Met Tyr Val Ser Pro Leu Thr Thr Ser Tyr Leu Gly Thr His Arg
        485                 490                 495
Gln Leu Lys Asn Ile Trp Gly Gly Pro Ile Thr Leu Asp Arg Ile
    500                 505                 510
Arg Thr Trp Phe Trp Thr Lys Trp Val Arg Met Arg Lys Asp Cys
515                 520                 525
Asn Ala Arg Gln His Ser Gly Gly Asn Ile Glu Asp Val Asp Gly
            530                 535                 540
Gly Gly Ala Pro Thr Thr Gly Gly Asn Asn Ala Pro Asn Gly Gly
        545                 550                 555
Ser Gln Glu Ser Ser Ala Glu Gln Pro Arg Lys Gly Gly Ala Gln
    560                 565                 570
His Gly Val Ser Ser Cys Glu Gly Thr Gln Arg Thr Gly Arg Arg
575                 580                 585
Lys Gly Arg Ser Gln Ser Val Gln Ala His Ser Ala Leu Ser Gln
            590                 595                 600
Arg Pro Pro Met Leu Ser Ser Ser Gly Pro Ile Leu Glu Ser Arg
        605                 610                 615
Gln Thr Phe Leu Gln Thr Ser Thr Ser Val His Glu Leu Ala Gln
    620                 625                 630
Arg Leu Ser Gly Ser Arg Leu Ser Leu His Ala Ser Ala Thr Ser
635                 640                 645
Leu His Ser Gln Pro Pro Pro Val Thr Thr Thr Gly His Leu Ser
            650                 655                 660
Val Arg Glu Arg Ala Glu Ala Leu Ile Arg Ser Ser Leu Gly Ser
        665                 670                 675
Ser Thr Ser Ser Thr Leu Ser Phe Leu Phe Gly Lys Arg Ser Phe
    680                 685                 690
Ser Ser Ala Leu Val Ile Ser Gly Leu Ser Ala Ala Glu Gly Gly
695                 700                 705
Asn Thr Ser Asp Thr Gln Ser Ser Ser Ser Val Asn Ile Val Met
            710                 715                 720
Gly Pro Ser Ala Arg Ala Ala Ser Gln Ala Thr Arg Val Arg Gly
        725                 730                 735
Trp Ala Gly Leu Thr Arg Thr Gly Trp Asp Gly Gly Thr Gly Ser
    740                 745                 750
Trp Pro Glu Arg Gly Thr Cys Leu Ala Phe Pro Pro Phe Cys Leu
755                 760                 765
```

```
Gln Asn Pro Ile Pro Phe Ser Met Gly Leu Pro Glu
                770                 775


<210> 52
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2314236


<400> 52
Met Phe Lys His Glu Leu Glu Glu Leu Arg Thr Thr Ile Met Tyr
  1               5                  10                  15
Arg Asp Ser His Ser Val Leu Ala Leu Asn Trp Lys Val Val Ala
                20                  25                  30
Thr Leu Lys Tyr Phe Leu Leu Tyr Val Ile Ile Leu Tyr Asn Leu
                35                  40                  45
Glu Arg Asp Asn Gly His Ser Asn Tyr Glu Asn Tyr Glu Leu Gly
                50                  55                  60
Asp Lys Ser Leu Asn Leu Leu Leu Phe Tyr Asn Ser Met Tyr Lys
                65                  70                  75
Leu Val Phe Pro Tyr Ile Phe Thr Phe Ser Ser Phe Leu Ile Ser
                80                  85                  90

Ser Tyr Thr Ser Ile Leu Tyr Lys Met Phe Tyr Ile Gln Arg Thr
                95                 100                 105
Val Lys Ser


<210> 53
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2479409


<400> 53
Met Asn Leu Ser Lys Lys Ser Ile Leu Leu Thr Gln Val Ile Lys
  1               5                  10                  15
Phe Val Asp Ile Arg Leu Phe Ile Met Val Pro Ser Tyr Pro Phe
                20                  25                  30
Asn Val Phe Arg Ser Cys Val Asp Asn Phe Leu Phe Ile Met Ile
                35                  40                  45
Leu Val Ile Ser Val Leu Thr Phe Leu Ile Arg Leu Gly Arg Gly
                50                  55                  60
Leu Ser Val Leu Leu Ile
                65


<210> 54
```

<211> 540
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2683149

<400> 54

```
Met Met Gly Ser Pro Val Ser His Leu Leu Ala Gly Phe Cys Val
  1               5                  10                  15
Trp Val Val Leu Gly Trp Val Gly Gly Ser Val Pro Asn Leu Gly
             20                  25                  30
Pro Ala Glu Gln Glu Gln Asn His Tyr Leu Ala Gln Leu Phe Gly
             35                  40                  45
Leu Tyr Gly Glu Asn Gly Thr Leu Thr Ala Gly Gly Leu Ala Arg
             50                  55                  60
Leu Leu His Ser Leu Gly Leu Gly Arg Val Gln Gly Leu Arg Leu
             65                  70                  75
Gly Gln His Gly Pro Leu Thr Gly Arg Ala Ala Ser Pro Ala Ala
             80                  85                  90
Asp Asn Ser Thr His Arg Pro Gln Asn Pro Glu Leu Ser Val Asp
             95                 100                 105
Val Trp Ala Gly Met Pro Leu Gly Pro Ser Gly Trp Gly Asp Leu
            110                 115                 120
Glu Glu Ser Lys Ala Pro His Leu Pro Arg Gly Pro Ala Pro Ser
            125                 130                 135
Gly Leu Asp Leu Leu His Arg Leu Leu Leu Leu Asp His Ser Leu
            140                 145                 150
Ala Asp His Leu Asn Glu Asp Cys Leu Asn Gly Ser Gln Leu Leu
            155                 160                 165
Val Asn Phe Gly Leu Ser Pro Ala Ala Pro Leu Thr Pro Arg Gln
            170                 175                 180
Phe Ala Leu Leu Cys Pro Ala Leu Leu Tyr Gln Ile Asp Ser Arg
            185                 190                 195
Val Cys Ile Gly Ala Pro Ala Pro Ala Pro Pro Gly Asp Leu Leu
            200                 205                 210
Ser Ala Leu Leu Gln Ser Ala Leu Ala Val Leu Leu Leu Ser Leu
            215                 220                 225
Pro Ser Pro Leu Ser Leu Leu Leu Leu Arg Leu Leu Gly Pro Arg
            230                 235                 240
Leu Leu Arg Pro Leu Leu Gly Phe Leu Gly Ala Leu Ala Val Gly
            245                 250                 255
Thr Leu Cys Gly Asp Ala Leu Leu His Leu Leu Pro His Ala Gln
            260                 265                 270
Glu Gly Arg His Ala Gly Pro Gly Gly Leu Pro Glu Lys Asp Leu
            275                 280                 285
Gly Pro Gly Leu Ser Val Leu Gly Gly Leu Phe Leu Leu Phe Val
            290                 295                 300
Leu Glu Asn Met Leu Gly Leu Leu Arg His Arg Gly Leu Arg Pro
            305                 310                 315
Arg Cys Cys Arg Arg Lys Arg Arg Asn Leu Glu Thr Arg Asn Leu
            320                 325                 330
Asp Pro Glu Asn Gly Ser Gly Met Ala Leu Gln Pro Leu Gln Ala
            335                 340                 345
Ala Pro Glu Pro Gly Ala Gln Gly Gln Arg Glu Lys Asn Ser Gln
```

```
                350                 355                 360
His Pro Pro Ala Leu Ala Pro Pro Gly His Gln Gly His Ser His
                365                 370                 375
Gly His Gln Gly Gly Thr Asp Ile Thr Trp Met Val Leu Leu Gly
                380                 385                 390
Asp Gly Leu His Asn Leu Thr Asp Gly Leu Ala Ile Gly Ala Ala
                395                 400                 405
Phe Ser Asp Gly Phe Ser Ser Gly Leu Ser Thr Thr Leu Ala Val
                410                 415                 420
Phe Cys His Glu Leu Pro His Glu Leu Gly Asp Phe Ala Met Leu
                425                 430                 435
Leu Gln Ser Gly Leu Ser Phe Arg Arg Leu Leu Leu Leu Ser Leu
                440                 445                 450
Val Ser Gly Ala Leu Gly Leu Gly Gly Ala Val Leu Gly Val Gly
                455                 460                 465
Leu Ser Leu Gly Pro Val Pro Leu Thr Pro Trp Val Phe Gly Val
                470                 475                 480
Thr Ala Gly Val Phe Leu Tyr Val Ala Leu Val Asp Met Leu Pro
                485                 490                 495
Ala Leu Leu Arg Pro Pro Glu Pro Leu Pro Thr Pro His Val Leu
                500                 505                 510
Leu Gln Gly Leu Gly Leu Leu Leu Gly Gly Gly Leu Met Leu Ala
                515                 520                 525

Ile Thr Leu Leu Glu Glu Arg Leu Leu Pro Val Thr Thr Glu Gly
                530                 535                 540


<210> 55
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2774051


<400> 55
Met Pro Phe Thr Leu Asp Asp Tyr Gly Ala Tyr Ser Ser Gln Lys
  1               5                  10                  15
Gln Tyr Thr Cys Gln Phe Pro Ser Thr Ile Ala Ile His Ala Glu
                20                  25                  30
Asp Lys Arg Pro Pro Gln Ser Arg Arg Gly Ile Val Leu Gly Pro
                35                  40                  45
Ile Phe Leu Ile Val Leu Lys Ile Ile Ile Arg Trp Thr Val Phe
                50                  55                  60
Cys Glu Asp Phe Leu Phe Pro Ser Ser Lys Lys Pro Cys Gly Lys
                65                  70                  75
Asn Ser Leu Ile Thr Val Leu Ile Phe Phe Phe Phe
                80                  85


<210> 56
<211> 100
<212> PRT
<213> Homo sapiens
```

<220>
<221> misc_feature
<223> Incyte Clone No: 2869038

<400> 56
Met Ile Met Ala Gln Lys Ile Gly Gly Leu Thr Trp Trp Ala Ile
1 5 10 15
Met Phe Ile Ile Leu Phe Glu Ile Thr Gly Thr Ser Ser Ser Phe
20 25 30
Leu Arg Ile Asn Ala Leu Pro His Phe Ser Met Asn Arg Cys Gly
35 40 45
Glu Ala Tyr Phe Pro Phe Ser Tyr Leu Tyr Thr Ser Leu Gln Lys
50 55 60
Gln Phe Leu Met Lys Val Ser Gly Ile Val Lys Asn Leu Arg Gly
65 70 75
Met Met Thr Gly Gly Val Trp Gly Phe Phe Leu Tyr Ser Phe Phe
80 85 90
Asn Glu Lys Ser Phe Lys Cys Ser Thr Gly
95 100

<210> 57
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2918334

<400> 57
Met Asp Leu Leu Tyr Glu Ile Leu Leu Ala Leu Tyr Tyr Asn Ile
1 5 10 15
Cys Tyr Asp Ile Pro Phe Ile Phe Phe Asn Leu Asn Met Met Phe
20 25 30
Tyr Ile Val Leu Asp Leu Arg Ile Val Phe Phe Arg Thr Ile Arg
35 40 45
Glu Tyr Leu Ser Pro Pro Ser Leu Ser Phe Tyr Ile Tyr
50 55

<210> 58
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2949916

<400> 58
Met Arg Arg Ile Ile Arg Leu Arg Leu Arg Phe Ser Asp Thr Phe

```
  1               5                  10                  15
Met Ala Ala Phe Leu Leu Cys Leu Gly Phe Val Leu Met Leu Phe
                20                  25                  30
Pro Ser Leu Leu Arg Asp Gly Gly Ser Ile Ser Ser Cys Arg Asn
                35                  40                  45
Ser Cys Ser Ser Pro Ser Ser Glu Glu Arg His Phe Ser Asn Leu
                50                  55                  60
Glu
```

<210> 59
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2989375

<400> 59

```
Met Cys Leu Thr Pro His Arg Asp Ser Met Cys Glu Asp Ser Pro
  1               5                  10                  15
Phe Thr His Gln Ile Ile Ser Met Ala Thr Ala Cys Ser Leu Leu
                20                  25                  30
Leu Glu Cys Phe Val Leu Ala Ala Ser Leu Leu Val Cys Val Trp
                35                  40                  45
Ser Glu Trp Arg Arg
                50
```

<210> 60
<211> 310
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3316764

<400> 60

```
Met Arg Arg Thr Ala Phe Ile Leu Gly Ser Gly Leu Leu Ser Phe
  1               5                  10                  15
Val Ala Phe Trp Asn Ser Val Thr Trp His Leu Gln Arg Phe Trp
                20                  25                  30
Gly Ala Ser Gly Tyr Phe Trp Gln Ala Gln Trp Glu Arg Leu Leu
                35                  40                  45
Thr Thr Phe Glu Gly Lys Glu Trp Ile Leu Phe Phe Ile Gly Ala
                50                  55                  60
Ile Gln Val Pro Cys Leu Phe Phe Trp Ser Phe Asn Gly Leu Leu
                65                  70                  75
Leu Val Val Asp Thr Thr Gly Lys Pro Asn Phe Ile Ser Arg Tyr
                80                  85                  90
Arg Ile Gln Val Gly Lys Asn Glu Pro Val Asp Pro Val Lys Leu
                95                 100                 105
```

```
Arg Gln Ser Ile Arg Thr Val Leu Phe Asn Gln Cys Met Ile Ser
                110                 115                 120
Phe Pro Met Val Val Phe Leu Tyr Pro Phe Leu Lys Trp Trp Arg
                125                 130                 135
Asp Pro Cys Arg Arg Glu Leu Pro Thr Phe His Trp Phe Leu Leu
                140                 145                 150
Glu Leu Ala Ile Phe Thr Leu Ile Glu Glu Val Leu Phe Tyr Tyr
                155                 160                 165
Ser His Arg Leu Leu His His Pro Thr Phe Tyr Lys Lys Ile His
                170                 175                 180
Lys Lys His His Glu Trp Thr Ala Pro Ile Gly Val Ile Ser Leu
                185                 190                 195
Tyr Ala His Pro Ile Glu His Ala Val Ser Asn Met Leu Pro Val
                200                 205                 210
Ile Val Gly Pro Leu Val Met Gly Ser His Leu Ser Ser Ile Thr
                215                 220                 225
Met Trp Phe Ser Leu Ala Leu Ile Ile Thr Thr Ile Ser His Cys
                230                 235                 240
Gly Tyr His Leu Pro Phe Leu Pro Ser Pro Glu Phe His Asp Tyr
                245                 250                 255
His His Leu Lys Phe Asn Gln Cys Tyr Gly Val Leu Gly Val Leu
                260                 265                 270
Asp His Leu His Gly Thr Asp Thr Met Phe Lys Gln Thr Lys Ala
                275                 280                 285
Tyr Glu Arg His Val Leu Leu Leu Gly Phe Thr Pro Leu Ser Glu
                290                 295                 300
Ser Ile Pro Asp Ser Pro Lys Arg Met Glu
                305                 310
```

<210> 61
<211> 160
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3359559

<400> 61

```
Met Ala Pro Ala Leu Trp Arg Ala Cys Asn Gly Leu Met Ala Ala
  1                 5                  10                  15
Phe Phe Ala Leu Ala Ala Leu Val Gln Val Asn Asp Pro Asp Ala
                 20                  25                  30
Glu Val Trp Val Val Val Tyr Thr Ile Pro Ala Val Leu Thr Leu
                 35                  40                  45
Leu Val Gly Leu Asn Pro Glu Val Thr Gly Asn Val Ile Trp Lys
                 50                  55                  60
Ser Ile Ser Ala Ile His Ile Leu Phe Cys Thr Val Trp Ala Val
                 65                  70                  75
Gly Leu Ala Ser Tyr Leu Leu His Arg Thr Gln Gln Asn Ile Leu
                 80                  85                  90
His Glu Glu Glu Gly Arg Glu Leu Ser Gly Leu Val Ile Ile Thr
                 95                 100                 105
Ala Trp Ile Ile Leu Cys His Ser Ser Ser Lys Asn Pro Val Gly
                110                 115                 120
```

```
Gly Arg Ile Gln Leu Ala Ile Ala Ile Val Ile Thr Leu Phe Pro
                125                 130                 135
Phe Ile Ser Trp Val Tyr Ile Tyr Ile Asn Lys Glu Met Arg Ser
                140                 145                 150
Ser Trp Pro Thr His Cys Lys Thr Val Ile
                155                 160


<210> 62
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 4289208


<400> 62
Met Ala Val Val Asp Ala Gly Asn Asn Gly Lys Val Leu Asp Arg
  1               5                  10                  15
Val Cys Val Arg Ser Val Pro Ala Leu Phe Leu Ser Lys Cys Ile
                20                  25                  30
Ser Leu Asp Met Glu
                35


<210> 63
<211> 323
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2454013


<400> 63
Met Ala Ala Pro Lys Gly Ser Leu Trp Val Arg Thr Gln Leu Gly
  1               5                  10                  15
Leu Pro Pro Leu Leu Leu Leu Thr Met Ala Leu Ala Gly Gly Ser
                20                  25                  30
Gly Thr Ala Ser Ala Glu Ala Phe Asp Ser Val Leu Gly Asp Thr
                35                  40                  45
Ala Ser Cys His Arg Ala Cys Gln Leu Thr Tyr Pro Leu His Thr
                50                  55                  60
Tyr Pro Lys Glu Glu Glu Leu Tyr Ala Cys Gln Arg Gly Cys Arg
                65                  70                  75
Leu Phe Ser Ile Cys Gln Phe Val Asp Asp Gly Ile Asp Leu Asn
                80                  85                  90
Arg Thr Lys Leu Glu Cys Glu Ser Ala Cys Thr Glu Ala Tyr Ser
                95                 100                 105
Gln Ser Asp Glu Gln Tyr Ala Cys His Leu Gly Cys Gln Asn Gln
                110                115                 120
Leu Pro Phe Ala Glu Leu Arg Gln Glu Gln Leu Met Ser Leu Met
                125                130                 135
Pro Lys Met His Leu Leu Phe Pro Leu Thr Leu Val Arg Ser Phe
```

```
                   140                 145                 150
Trp Ser Asp Met Met Asp Ser Ala Gln Ser Phe Ile Thr Ser Ser
                   155                 160                 165
Trp Thr Phe Tyr Leu Gln Ala Asp Asp Gly Lys Ile Val Ile Phe
                   170                 175                 180
Gln Ser Lys Pro Glu Ile Gln Tyr Ala Pro His Leu Glu Gln Glu
                   185                 190                 195
Pro Thr Asn Leu Arg Glu Ser Ser Leu Ser Lys Met Ser Tyr Leu
                   200                 205                 210
Gln Met Arg Asn Ser Gln Ala His Arg Asn Phe Leu Glu Asp Gly
                   215                 220                 225
Glu Ser Asp Gly Phe Leu Arg Cys Leu Ser Leu Asn Ser Gly Trp
                   230                 235                 240
Ile Leu Thr Thr Thr Leu Val Leu Ser Val Met Val Leu Leu Trp
                   245                 250                 255
Ile Cys Cys Ala Thr Val Ala Thr Ala Val Glu Gln Tyr Val Pro
                   260                 265                 270
Ser Glu Lys Leu Ser Ile Tyr Gly Asp Leu Glu Phe Met Asn Glu
                   275                 280                 285
Gln Lys Leu Asn Arg Tyr Pro Ala Ser Ser Leu Val Val Val Arg
                   290                 295                 300
Ser Lys Thr Glu Asp His Glu Glu Ala Gly Pro Leu Pro Thr Lys
                   305                 310                 315
Val Asn Leu Ala His Ser Glu Ile
                   320
```

<210> 64
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2454048

<400> 64

```
Met Ala Arg Gly Ser Leu Arg Arg Leu Leu Arg Leu Leu Val Leu
  1                 5                  10                  15
Gly Leu Trp Leu Ala Leu Leu Arg Ser Val Ala Gly Glu Gln Ala
                   20                  25                  30
Pro Gly Thr Ala Pro Cys Ser Arg Gly Ser Ser Trp Ser Ala Asp
                   35                  40                  45
Leu Asp Lys Cys Met Asp Cys Ala Ser Cys Arg Ala Arg Pro His
                   50                  55                  60
Ser Asp Phe Cys Leu Gly Cys Ala Ala Ala Pro Pro Ala Pro Phe
                   65                  70                  75
Arg Leu Leu Trp Pro Ile Leu Gly Gly Ala Leu Ser Leu Thr Phe
                   80                  85                  90
Val Leu Gly Leu Leu Ser Gly Phe Leu Val Trp Arg Arg Cys Arg
                   95                 100                 105
Arg Arg Glu Lys Phe Thr Thr Pro Ile Glu Glu Thr Gly Gly Glu
                  110                 115                 120
Gly Cys Pro Ala Val Ala Leu Ile Gln
                  125
```

<210> 65
<211> 461
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2479282

<400> 65

```
Met Ala Pro Gln Ser Leu Pro Ser Ser Arg Met Ala Pro Leu Gly
  1               5                  10                  15
Met Leu Leu Gly Leu Leu Met Ala Ala Cys Phe Thr Phe Cys Leu
             20                  25                  30
Ser His Gln Asn Leu Lys Glu Phe Ala Leu Thr Asn Pro Glu Lys
             35                  40                  45
Ser Ser Thr Lys Glu Thr Glu Arg Lys Glu Thr Lys Ala Glu Glu
             50                  55                  60
Glu Leu Asp Ala Glu Val Leu Glu Val Phe His Pro Thr His Glu
             65                  70                  75
Trp Gln Ala Leu Gln Pro Gly Gln Ala Val Pro Ala Gly Ser His
             80                  85                  90
Val Arg Leu Asn Leu Gln Thr Gly Glu Arg Glu Ala Lys Leu Gln
             95                 100                 105
Tyr Glu Asp Lys Phe Arg Asn Asn Leu Lys Gly Lys Arg Leu Asp
            110                 115                 120
Ile Asn Thr Asn Thr Tyr Thr Ser Gln Asp Leu Lys Ser Ala Leu
            125                 130                 135
Ala Lys Phe Lys Glu Gly Ala Glu Met Glu Ser Ser Lys Glu Asp
            140                 145                 150
Lys Ala Arg Gln Ala Glu Val Lys Arg Leu Phe Arg Pro Ile Glu
            155                 160                 165
Glu Leu Lys Lys Asp Phe Asp Glu Leu Asn Val Val Ile Glu Thr
            170                 175                 180
Asp Met Gln Ile Met Val Arg Leu Ile Asn Lys Phe Asn Ser Ser
            185                 190                 195
Ser Ser Ser Leu Glu Glu Lys Ile Ala Ala Leu Phe Asp Leu Glu
            200                 205                 210
Tyr Tyr Val His Gln Met Asp Asn Ala Gln Asp Leu Leu Ser Phe
            215                 220                 225
Gly Gly Leu Gln Val Val Ile Asn Gly Leu Asn Ser Thr Glu Pro
            230                 235                 240
Leu Val Lys Glu Tyr Ala Ala Phe Val Leu Gly Ala Ala Phe Ser
            245                 250                 255
Ser Asn Pro Lys Val Gln Val Glu Ala Ile Glu Gly Gly Ala Leu
            260                 265                 270
Gln Lys Leu Leu Val Ile Leu Ala Thr Glu Gln Pro Leu Thr Ala
            275                 280                 285
Lys Lys Lys Val Leu Phe Ala Leu Cys Ser Leu Leu Arg His Phe
            290                 295                 300
Pro Tyr Ala Gln Arg Gln Phe Leu Lys Leu Gly Gly Leu Gln Val
            305                 310                 315
Leu Arg Thr Leu Val Gln Glu Lys Gly Thr Glu Val Leu Ala Val
            320                 325                 330
Arg Val Val Thr Leu Leu Tyr Asp Leu Val Thr Glu Lys Met Phe
            335                 340                 345
```

Ala Glu Glu Glu Ala Glu Leu Thr Gln Glu Met Ser Pro Glu Lys
350 355 360
Leu Gln Gln Tyr Arg Gln Val His Leu Leu Pro Gly Leu Trp Glu
365 370 375
Gln Gly Trp Cys Glu Ile Thr Ala His Leu Leu Ala Leu Pro Glu
380 385 390
His Asp Ala Arg Glu Lys Val Leu Gln Thr Leu Gly Val Leu Leu
395 400 405
Thr Thr Cys Arg Asp Arg Tyr Arg Gln Asp Pro Gln Leu Gly Arg
410 415 420
Thr Leu Ala Ser Leu Gln Ala Glu Tyr Gln Val Leu Ala Ser Leu
425 430 435
Glu Leu Gln Asp Gly Glu Asp Glu Gly Tyr Phe Gln Glu Leu Leu
440 445 450
Gly Ser Val Asn Ser Leu Leu Lys Glu Leu Arg
455 460

<210> 66
<211> 264
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2483432

<400> 66
Met Arg Pro Leu Leu Gly Leu Leu Leu Val Phe Ala Gly Cys Thr
1 5 10 15
Phe Ala Leu Tyr Leu Leu Ser Thr Arg Leu Pro Arg Gly Arg Arg
20 25 30
Leu Gly Ser Thr Glu Glu Ala Gly Gly Arg Ser Leu Trp Phe Pro
35 40 45
Ser Asp Leu Ala Glu Leu Arg Glu Leu Ser Glu Val Leu Arg Glu
50 55 60
Tyr Arg Lys Glu His Gln Ala Tyr Val Phe Leu Leu Phe Cys Gly
65 70 75
Ala Tyr Leu Tyr Lys Gln Gly Phe Ala Ile Pro Gly Ser Ser Phe
80 85 90
Leu Asn Val Leu Ala Gly Ala Leu Phe Gly Pro Trp Leu Gly Leu
95 100 105
Leu Leu Cys Cys Val Leu Thr Ser Val Gly Ala Thr Cys Cys Tyr
110 115 120
Leu Leu Ser Ser Ile Phe Gly Lys Gln Leu Val Val Ser Tyr Phe
125 130 135
Pro Asp Lys Val Ala Leu Leu Gln Arg Lys Val Glu Glu Asn Arg
140 145 150
Asn Ser Leu Phe Phe Phe Leu Leu Phe Leu Arg Leu Phe Pro Met
155 160 165
Thr Pro Asn Trp Phe Leu Asn Leu Ser Ala Pro Ile Leu Asn Ile
170 175 180
Pro Ile Val Gln Phe Phe Phe Ser Val Leu Ile Gly Leu Ile Pro
185 190 195
Tyr Asn Phe Ile Cys Val Gln Thr Gly Ser Ile Leu Ser Thr Leu
200 205 210

```
Thr Ser Leu Asp Ala Leu Phe Ser Trp Asp Thr Val Phe Lys Leu
                215                 220                 225
Leu Ala Ile Ala Met Val Ala Leu Ile Pro Gly Thr Leu Ile Lys
                230                 235                 240
Lys Phe Ser Gln Lys His Leu Gln Leu Asn Glu Thr Ser Thr Ala
                245                 250                 255
Asn His Ile His Ser Arg Lys Asp Thr
                260
```

<210> 67
<211> 339
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2493824

<400> 67

```
Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Tyr Cys Leu Leu
  1                 5                  10                  15
Leu Gly Leu His Leu Phe Leu Leu Thr Ala Gly Pro Ala Leu Gly
                20                  25                  30
Trp Asn Asp Pro Asp Arg Met Leu Leu Arg Asp Val Lys Ala Leu
                35                  40                  45
Thr Leu His Tyr Asp Arg Tyr Thr Thr Ser Arg Arg Leu Asp Pro
                50                  55                  60
Ile Pro Gln Leu Lys Cys Val Gly Gly Thr Ala Gly Cys Asp Ser
                65                  70                  75
Tyr Thr Pro Lys Val Ile Gln Cys Gln Asn Lys Gly Trp Asp Gly
                80                  85                  90
Tyr Asp Val Gln Trp Glu Cys Lys Thr Asp Leu Asp Ile Ala Tyr
                95                 100                 105
Lys Phe Gly Lys Thr Val Val Ser Cys Glu Gly Tyr Glu Ser Ser
               110                 115                 120
Glu Asp Gln Tyr Val Leu Arg Gly Ser Cys Gly Leu Glu Tyr Asn
               125                 130                 135
Leu Asp Tyr Thr Glu Leu Gly Leu Gln Lys Leu Lys Glu Ser Gly
               140                 145                 150
Lys Gln His Gly Phe Ala Ser Phe Ser Asp Tyr Tyr Tyr Lys Trp
               155                 160                 165
Ser Ser Ala Asp Ser Cys Asn Met Ser Gly Leu Ile Thr Ile Val
               170                 175                 180
Val Leu Leu Gly Ile Ala Phe Val Val Tyr Lys Leu Phe Leu Ser
               185                 190                 195
Asp Gly Gln Tyr Ser Pro Pro Pro Tyr Ser Glu Tyr Pro Pro Phe
               200                 205                 210
Ser His Arg Tyr Gln Arg Phe Thr Asn Ser Ala Gly Pro Pro Pro
               215                 220                 225
Pro Gly Phe Lys Ser Glu Phe Thr Gly Pro Gln Asn Thr Gly His
               230                 235                 240
Gly Ala Thr Ser Gly Phe Gly Ser Ala Phe Thr Gly Gln Gln Gly
               245                 250                 255
```

```
Tyr Glu Asn Ser Gly Pro Gly Phe Trp Thr Gly Leu Gly Thr Gly
                260                 265                 270
Gly Ile Leu Gly Tyr Leu Phe Gly Ser Asn Arg Ala Ala Thr Pro
                275                 280                 285
Phe Ser Asp Ser Trp Tyr Tyr Pro Ser Tyr Pro Pro Ser Tyr Pro
                290                 295                 300
Gly Thr Trp Asn Arg Ala Tyr Ser Pro Leu His Gly Gly Ser Gly
                305                 310                 315
Ser Tyr Ser Val Cys Ser Asn Ser Asp Thr Lys Thr Arg Thr Ala
                320                 325                 330
Ser Gly Tyr Gly Gly Thr Arg Arg Arg
                335
```

<210> 68
<211> 397
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2555823

<400> 68

```
Met Val Arg Pro Gly Ala Arg Leu Cys Leu Gly Ser Val Gly Arg
  1               5                  10                  15
Gly Leu Cys Leu Val Leu Pro Leu Leu Cys Leu Gly Ala Gly Phe
                20                  25                  30
Leu Phe Leu Asn Thr Leu Phe Ile Gln Arg Gly Arg His Glu Thr
                35                  40                  45
Thr Trp Thr Ile Leu Arg Arg Phe Gly Tyr Ser Asp Ala Leu Glu
                50                  55                  60
Leu Thr Ala Asp Tyr Leu Ser Pro Leu Ile His Val Pro Pro Gly
                65                  70                  75
Cys Ser Thr Glu Leu Asn His Leu Gly Tyr Gln Phe Val Gln Arg
                80                  85                  90
Val Phe Glu Lys His Asp Gln Asp Arg Asp Gly Ala Leu Ser Pro
                95                 100                 105
Val Glu Leu Gln Ser Leu Phe Ser Val Phe Pro Ala Ala Pro Trp
               110                 115                 120
Gly Pro Glu Leu Pro Arg Thr Val Arg Thr Glu Ala Gly Arg Leu
               125                 130                 135
Pro Leu His Gly Tyr Leu Cys Gln Trp Thr Leu Val Thr Tyr Leu
               140                 145                 150
Asp Val Arg Ser Cys Leu Gly His Leu Gly Tyr Leu Gly Tyr Pro
               155                 160                 165
Thr Leu Cys Glu Gln Asp Gln Ala His Ala Ile Thr Val Thr Arg
               170                 175                 180
Glu Lys Arg Leu Asp Gln Glu Lys Gly Gln Thr Gln Arg Ser Val
               185                 190                 195
Leu Leu Cys Lys Val Val Gly Ala Arg Gly Val Gly Lys Ser Ala
               200                 205                 210
Phe Leu Gln Ala Phe Leu Gly Arg Gly Leu Gly His Gln Asp Thr
               215                 220                 225
Arg Glu Gln Pro Pro Gly Tyr Ala Ile Asp Thr Val Gln Val Asn
               230                 235                 240
```

```
Gly Gln Glu Lys Tyr Leu Ile Leu Cys Glu Val Gly Thr Asp Gly
                245                 250                 255
Leu Leu Ala Thr Ser Leu Asp Ala Thr Cys Asp Val Ala Cys Leu
                260                 265                 270
Met Phe Asp Gly Ser Asp Pro Lys Ser Phe Ala His Cys Ala Ser
                275                 280                 285
Val Tyr Lys His His Tyr Met Asp Gly Gln Thr Pro Cys Leu Phe
                290                 295                 300
Val Ser Ser Lys Ala Asp Leu Pro Glu Gly Val Ala Val Ser Gly
                305                 310                 315
Pro Ser Pro Ala Glu Phe Cys Arg Lys His Arg Leu Pro Ala Pro
                320                 325                 330
Val Pro Phe Ser Cys Ala Gly Pro Ala Glu Pro Ser Thr Thr Ile
                335                 340                 345
Phe Thr Gln Leu Ala Thr Met Ala Ala Phe Pro His Leu Val His
                350                 355                 360
Ala Glu Leu His Pro Ser Ser Phe Trp Leu Arg Gly Leu Leu Gly
                365                 370                 375
Val Val Gly Ala Ala Val Ala Ala Val Leu Ser Phe Ser Leu Tyr
                380                 385                 390
Arg Val Leu Val Lys Ser Gln
                395


<210> 69
<211> 301
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2598242


<400> 69
Met Glu Leu Ser Asp Val Thr Leu Ile Glu Gly Val Gly Asn Glu
  1               5                  10                  15
Val Met Val Val Ala Gly Val Val Val Leu Ile Leu Ala Leu Val
                20                  25                  30
Leu Ala Trp Leu Ser Thr Tyr Val Ala Asp Ser Gly Ser Asn Gln
                35                  40                  45
Leu Leu Gly Ala Ile Val Ser Ala Gly Asp Thr Ser Val Leu His
                50                  55                  60
Leu Gly His Val Asp His Leu Val Ala Gly Gln Gly Asn Pro Glu
                65                  70                  75
Pro Thr Glu Leu Pro His Pro Ser Glu Gly Asn Asp Glu Lys Ala
                80                  85                  90
Glu Glu Ala Gly Glu Gly Arg Gly Asp Ser Thr Gly Glu Ala Gly
                95                 100                 105
Ala Gly Gly Gly Val Glu Pro Ser Leu Glu His Leu Leu Asp Ile
               110                 115                 120
Gln Gly Leu Pro Lys Arg Gln Ala Gly Ala Gly Ser Ser Ser Pro
               125                 130                 135
Glu Ala Pro Leu Arg Ser Glu Asp Ser Thr Cys Leu Pro Pro Ser
               140                 145                 150
Pro Gly Leu Ile Thr Val Arg Leu Lys Phe Leu Asn Asp Thr Glu
               155                 160                 165
```

```
Glu Leu Ala Val Ala Arg Pro Glu Asp Thr Val Gly Ala Leu Lys
                170                 175                 180
Ser Lys Tyr Phe Pro Gly Gln Glu Ser Gln Met Lys Leu Ile Tyr
                185                 190                 195
Gln Gly Arg Leu Leu Gln Asp Pro Ala Arg Thr Leu Arg Ser Leu
                200                 205                 210
Asn Ile Thr Asp Asn Cys Val Ile His Cys His Arg Ser Pro Pro
                215                 220                 225
Gly Ser Ala Val Pro Gly Pro Ser Ala Ser Leu Ala Pro Ser Ala
                230                 235                 240
Thr Glu Pro Pro Ser Leu Gly Val Asn Val Gly Ser Leu Met Val
                245                 250                 255
Pro Val Phe Val Val Leu Leu Gly Val Val Trp Tyr Phe Arg Ile
                260                 265                 270
Asn Tyr Arg Gln Phe Phe Thr Ala Pro Ala Thr Val Ser Leu Val
                275                 280                 285
Gly Val Thr Val Phe Phe Ser Phe Leu Val Phe Gly Met Tyr Gly
                290                 295                 300
Arg
```

<210> 70
<211> 217
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2634120

<400> 70

```
Met Val Glu Val Gln Leu Glu Ser Asp His Glu Tyr Pro Pro Gly
  1               5                  10                  15
Leu Leu Val Ala Phe Ser Ala Cys Thr Thr Val Leu Val Ala Val
                20                  25                  30
His Leu Phe Ala Leu Met Val Ser Thr Cys Leu Leu Pro His Ile
                35                  40                  45
Glu Ala Val Ser Asn Ile His Asn Leu Asn Ser Val His Gln Ser
                50                  55                  60
Pro His Gln Arg Leu His Arg Tyr Val Glu Leu Ala Trp Gly Phe
                65                  70                  75
Ser Thr Ala Leu Gly Thr Phe Leu Phe Leu Ala Glu Val Val Leu
                80                  85                  90
Val Gly Trp Val Lys Phe Val Pro Ile Gly Ala Pro Leu Asp Thr
                95                 100                 105
Pro Thr Pro Met Val Pro Thr Ser Arg Val Pro Gly Thr Leu Ala
                110                 115                 120
Pro Val Ala Thr Ser Leu Ser Pro Ala Ser Asn Leu Pro Arg Ser
                125                 130                 135
Ser Ala Ser Ala Ala Pro Ser Gln Ala Glu Pro Ala Cys Pro Pro
                140                 145                 150
Arg Gln Ala Cys Gly Gly Gly Gly Ala His Gly Pro Gly Trp Gln
                155                 160                 165
Ala Ala Met Ala Ser Thr Ala Ile Met Val Pro Val Gly Leu Val
                170                 175                 180
Phe Val Ala Phe Ala Leu His Phe Tyr Arg Ser Leu Val Ala His
```

185 190 195

Lys Thr Asp Arg Tyr Lys Gln Glu Leu Glu Glu Leu Asn Arg Leu
200 205 210
Gln Gly Glu Leu Gln Ala Val
215

<210> 71
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2765411

<400> 71
Met Phe Pro Val Leu Gly Trp Ile Leu Ile Ala Val Val Ile Ile
1 5 10 15
Ile Leu Leu Ile Phe Thr Ser Val Thr Arg Cys Leu Ser Pro Val
20 25 30
Ser Phe Leu Gln Leu Lys Phe Trp Lys Ile Tyr Leu Glu Gln Glu
35 40 45
Gln Gln Ile Leu Lys Ser Lys Ala Thr Glu His Ala Thr Glu Leu
50 55 60
Ala Lys Glu Asn Ile Lys Cys Phe Phe Glu Gly Ser His Pro Lys
65 70 75
Glu Tyr Asn Thr Pro Ser Met Lys Glu Trp Gln Gln Ile Ser Ser
80 85 90
Leu Tyr Thr Phe Asn Pro Lys Gly Gln Tyr Tyr Ser Met Leu His
95 100 105
Lys Tyr Val Asn Arg Lys Glu Lys Thr His Ser Ile Arg Ser Thr
110 115 120
Glu Gly Asp Thr Val Ile Pro Val Leu Gly Phe Val Asp Ser Ser
125 130 135
Gly Ile Asn Ser Thr Pro Glu Leu
140

<210> 72
<211> 186
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2769412

<400> 72
Met Ser Gly Ile Ser Gly Cys Pro Phe Phe Leu Trp Gly Leu Leu
1 5 10 15
Ala Leu Leu Gly Leu Ala Leu Val Ile Ser Leu Ile Phe Asn Ile
20 25 30

```
Ser His Tyr Val Glu Lys Gln Arg Gln Asp Lys Met Tyr Ser Tyr
                35                  40                  45
Ser Ser Asp His Thr Arg Val Asp Glu Tyr Tyr Ile Glu Asp Thr
                50                  55                  60
Pro Ile Tyr Gly Asn Leu Asp Asp Met Ile Ser Glu Pro Met Asp
                65                  70                  75
Glu Asn Cys Tyr Glu Gln Met Lys Ala Arg Pro Glu Lys Ser Val
                80                  85                  90
Asn Lys Met Gln Glu Ala Thr Pro Ser Ala Gln Ala Thr Asn Glu
                95                  100                 105
Thr Gln Met Cys Tyr Ala Ser Leu Asp His Ser Val Lys Gly Lys
                110                 115                 120
Arg Arg Lys Pro Arg Lys Gln Asn Thr His Phe Ser Asp Lys Asp
                125                 130                 135
Gly Asp Glu Gln Leu His Ala Ile Asp Ala Ser Val Ser Lys Thr
                140                 145                 150
Thr Leu Val Asp Ser Phe Ser Pro Glu Ser Gln Ala Val Glu Glu
                155                 160                 165
Asn Ile His Asp Asp Pro Ile Arg Leu Phe Gly Leu Ile Arg Ala
                170                 175                 180
Lys Arg Glu Pro Ile Asn
                185
```


<210> 73
<211> 364
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2842779

<400> 73

```
Met Pro Gly Cys Pro Cys Pro Gly Cys Gly Met Ala Gly Pro Arg
  1                 5                  10                  15
Leu Leu Phe Leu Thr Ala Leu Ala Leu Glu Leu Leu Gly Arg Ala
                20                  25                  30
Gly Gly Ser Gln Pro Ala Leu Arg Ser Arg Gly Thr Ala Thr Ala
                35                  40                  45
Cys Arg Leu Asp Asn Lys Glu Ser Glu Ser Trp Gly Ala Leu Leu
                50                  55                  60
Ser Gly Glu Arg Leu Asp Thr Trp Ile Cys Ser Leu Leu Gly Ser
                65                  70                  75
Leu Met Val Gly Leu Ser Gly Val Phe Pro Leu Leu Val Ile Pro
                80                  85                  90
Leu Glu Met Gly Thr Met Leu Arg Ser Glu Ala Gly Ala Trp Arg
                95                  100                 105
Leu Lys Gln Leu Leu Ser Phe Ala Leu Gly Gly Leu Leu Gly Asn
                110                 115                 120
Val Phe Leu His Leu Leu Pro Glu Ala Trp Ala Tyr Thr Cys Ser
                125                 130                 135
Ala Ser Pro Gly Gly Glu Gly Gln Ser Leu Gln Gln Gln Gln Gln
                140                 145                 150
Leu Gly Leu Trp Val Ile Ala Gly Ile Leu Thr Phe Leu Ala Leu
                155                 160                 165
```

```
Glu Lys Met Phe Leu Asp Ser Lys Glu Glu Gly Thr Ser Gln Ala
                170                 175                 180
Pro Asn Lys Asp Pro Thr Ala Ala Ala Ala Ala Leu Asn Gly Gly
            185                 190                 195
His Cys Leu Ala Gln Pro Ala Ala Glu Pro Gly Leu Gly Ala Val
        200                 205                 210
Val Arg Ser Ile Lys Val Ser Gly Tyr Leu Asn Leu Leu Ala Asn
    215                 220                 225
Thr Ile Asp Asn Phe Thr His Gly Leu Ala Val Ala Ala Ser Phe
230                 235                 240
Leu Val Ser Lys Lys Ile Gly Leu Leu Thr Thr Met Ala Ile Leu
                245                 250                 255
Leu His Glu Ile Pro His Glu Val Gly Asp Phe Ala Ile Leu Leu
            260                 265                 270
Arg Ala Gly Phe Asp Arg Trp Ser Ala Ala Lys Leu Gln Leu Ser
        275                 280                 285
Thr Ala Leu Gly Gly Leu Leu Gly Ala Gly Phe Ala Ile Cys Thr
    290                 295                 300
Gln Ser Pro Lys Gly Val Glu Glu Thr Ala Ala Trp Val Leu Pro
305                 310                 315
Phe Thr Ser Gly Gly Phe Leu Tyr Ile Ala Leu Val Asn Val Leu
                320                 325                 330
Pro Asp Leu Leu Glu Glu Glu Asp Pro Trp Arg Ser Leu Gln Gln
            335                 340                 345
Leu Leu Leu Leu Cys Ala Gly Ile Val Val Met Val Leu Phe Ser
        350                 355                 360
Leu Phe Val Asp


<210> 74
<211> 605
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2966260


<400> 74
Met Gly Arg Leu Leu Arg Ala Ala Arg Leu Pro Pro Leu Leu Ser
  1               5                  10                  15
Pro Leu Leu Leu Leu Leu Val Gly Gly Ala Phe Leu Gly Ala Cys
            20                  25                  30
Val Ala Gly Ser Asp Glu Pro Gly Pro Glu Gly Leu Thr Ser Thr
        35                  40                  45
Ser Leu Leu Asp Leu Leu Leu Pro Thr Gly Leu Glu Pro Leu Asp
    50                  55                  60
Ser Glu Glu Pro Ser Glu Thr Met Gly Leu Gly Ala Gly Leu Gly
65                  70                  75
Ala Pro Gly Ser Gly Phe Pro Ser Glu Glu Asn Glu Glu Ser Arg
                80                  85                  90

Ile Leu Gln Pro Pro Gln Tyr Phe Trp Glu Glu Glu Glu Glu Leu
            95                  100                 105
Asn Asp Ser Ser Leu Asp Leu Gly Pro Thr Ala Asp Tyr Val Phe
        110                 115                 120
```

```
Pro Asp Leu Thr Glu Lys Ala Gly Ser Ile Glu Asp Thr Ser Gln
                125                 130                 135
Ala Gln Glu Leu Pro Asn Leu Pro Ser Pro Leu Pro Lys Met Asn
                140                 145                 150
Leu Val Glu Pro Pro Trp His Met Pro Pro Arg Glu Glu Glu Glu
                155                 160                 165
Glu Glu Glu Glu Glu Glu Glu Met Glu Lys Glu Glu Val Glu Lys
                170                 175                 180
Gln Asp Val Glu Glu Glu Glu Glu Leu Leu Pro Val Asn Gly Ser
                185                 190                 195
Gln Glu Glu Ala Lys Pro Gln Val Arg Asp Phe Ser Leu Thr Ser
                200                 205                 210
Ser Ser Gln Thr Pro Gly Ala Thr Lys Ser Arg His Glu Asp Ser
                215                 220                 225
Gly Asp Gln Ala Ser Ser Gly Val Glu Val Glu Ser Ser Met Gly
                230                 235                 240
Pro Ser Leu Leu Leu Pro Ser Val Thr Pro Thr Ile Val Thr Pro
                245                 250                 255
Gly Asp Gln Asp Ser Thr Ser Gln Glu Ala Glu Ala Thr Val Leu
                260                 265                 270
Pro Ala Ala Gly Leu Gly Val Glu Phe Glu Ala Pro Gln Glu Ala
                275                 280                 285
Ser Glu Glu Ala Thr Ala Gly Ala Ala Gly Leu Ser Gly Gln His
                290                 295                 300
Glu Glu Val Pro Ala Leu Pro Ser Phe Pro Gln Thr Thr Ala Pro
                305                 310                 315
Ser Gly Ala Glu His Pro Asp Glu Asp Pro Leu Gly Ser Arg Thr
                320                 325                 330
Ser Ala Ser Ser Pro Leu Ala Pro Gly Asp Met Glu Leu Thr Pro
                335                 340                 345
Ser Ser Ala Thr Leu Gly Gln Glu Asp Leu Asn Gln Gln Leu Leu
                350                 355                 360
Glu Gly Gln Ala Ala Glu Ala Gln Ser Arg Ile Pro Trp Asp Ser
                365                 370                 375
Thr Gln Val Ile Cys Lys Asp Trp Ser Asn Leu Ala Gly Lys Asn
                380                 385                 390
Tyr Ile Ile Leu Asn Met Thr Glu Asn Ile Asp Cys Glu Val Phe
                395                 400                 405
Arg Gln His Arg Gly Pro Gln Leu Leu Ala Leu Val Glu Glu Val
                410                 415                 420
Leu Pro Arg His Gly Ser Gly His His Gly Ala Trp His Ile Ser
                425                 430                 435
Leu Ser Lys Pro Ser Glu Lys Glu Gln His Leu Leu Met Thr Leu
                440                 445                 450
Val Gly Glu Gln Gly Val Val Pro Thr Gln Asp Val Leu Ser Met
                455                 460                 465
Leu Gly Asp Ile Arg Arg Ser Leu Glu Glu Ile Gly Ile Gln Asn
                470                 475                 480
Tyr Ser Thr Thr Ser Ser Cys Gln Ala Arg Ala Ser Gln Val Arg
                485                 490                 495
Ser Asp Tyr Gly Thr Leu Phe Val Val Leu Val Val Ile Gly Ala
                500                 505                 510
Ile Cys Ile Ile Ile Ile Ala Leu Gly Leu Leu Tyr Asn Cys Trp
                515                 520                 525
Gln Arg Arg Leu Pro Lys Leu Lys His Val Ser His Gly Glu Glu
                530                 535                 540
Leu Arg Phe Val Glu Asn Gly Cys His Asp Asn Pro Thr Leu Asp
```

```
                545                 550                 555
Val Ala Ser Asp Ser Gln Ser Glu Met Gln Glu Lys His Pro Ser
                560                 565                 570
Leu Asn Gly Gly Gly Ala Leu Asn Gly Pro Gly Ser Trp Gly Ala
                575                 580                 585
Leu Met Gly Gly Lys Arg Asp Pro Glu Asp Ser Asp Val Phe Glu
                590                 595                 600
Glu Asp Thr His Leu
                605
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<210> 75
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2993326

<400> 75

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Met Thr Gly Arg Phe Lys Ala Cys Gln Val Ile Leu Gly Leu Leu
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Val Ala Ile Ser Leu Ala Ala Gly Thr Gly Gly Ala Ala Gly Ala
                20                  25                  30
Ala Leu Val Ile Val Phe Ile Gly Ala Phe Leu Val Leu Leu Phe
                35                  40                  45
Leu Gly Arg Leu Thr Thr Gly Gly Ser Met Ala Arg Glu Ser Leu
                50                  55                  60
Val Ala Ala Asn Arg Val Cys Ile Ser Arg Thr Leu Ser Ser Ser
                65                  70                  75
Val Val Ser Val Cys Ile Ser Gly Gly Lys Gly Ser Pro Arg Leu
                80                  85                  90
Pro Gly Gly Gly Arg Gly Pro
                95
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<210> 76
<211> 247
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3001124

<400> 76

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Met Val Thr Leu Val Ser Asp Thr Ala Met Thr Pro Ile Ala Ser
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Val Asp Thr Ile Ala Val Cys Leu Phe Ala Gly Ala Trp Gly Gly
                20                  25                  30
Ala Met Val Pro Met His Leu Leu Gly Arg Leu Glu Lys Pro Leu
                35                  40                  45
Leu Leu Leu Cys Cys Ala Ser Phe Leu Leu Gly Leu Ala Leu Leu
```

```
                    50                  55                  60
Gly Ile Lys Thr Asp Ile Thr Pro Val Ala Tyr Phe Phe Leu Thr
                    65                  70                  75
Leu Gly Gly Phe Phe Leu Phe Ala Tyr Leu Leu Val Arg Phe Leu
                    80                  85                  90
Glu Trp Gly Leu Arg Ser Gln Leu Gln Ser Met Gln Thr Glu Ser
                    95                 100                 105
Pro Gly Pro Ser Gly Asn Ala Arg Asp Asn Glu Ala Phe Glu Val
                   110                 115                 120
Pro Val Tyr Glu Glu Ala Val Val Gly Leu Glu Ser Gln Cys Arg
                   125                 130                 135
Pro Gln Glu Leu Asp Gln Pro Pro Pro Tyr Ser Thr Val Val Ile
                   140                 145                 150
Pro Pro Ala Pro Glu Glu Glu Gln Pro Ser His Pro Glu Gly Ser
                   155                 160                 165
Arg Arg Ala Lys Leu Glu Gln Arg Arg Met Ala Ser Glu Gly Ser
                   170                 175                 180
Met Ala Gln Glu Gly Ser Pro Gly Arg Ala Pro Ile Asn Leu Arg
                   185                 190                 195
Leu Arg Gly Pro Arg Ala Val Ser Thr Ala Pro Asp Leu Gln Ser
                   200                 205                 210
Leu Ala Ala Val Pro Thr Leu Glu Pro Leu Thr Pro Pro Pro Ala
                   215                 220                 225
Tyr Asp Val Cys Phe Gly His Pro Asp Asp Asp Ser Val Phe Tyr
                   230                 235                 240
Glu Asp Asn Trp Ala Pro Pro
                   245
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<210> 77
<211> 193
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte Clone No: 3120070

<400> 77

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Met Ile Arg Cys Gly Leu Ala Cys Glu Arg Cys Arg Trp Ile Leu
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Pro Leu Leu Leu Leu Ser Ala Ile Ala Phe Asp Ile Ile Ala Leu
                   20                  25                  30
Ala Gly Arg Gly Trp Leu Gln Ser Ser Asp His Gly Gln Thr Ser
                   35                  40                  45
Ser Leu Trp Trp Lys Cys Ser Gln Glu Gly Gly Gly Ser Gly Ser
                   50                  55                  60
Tyr Glu Glu Gly Cys Gln Ser Leu Met Glu Tyr Ala Trp Gly Arg
                   65                  70                  75
Ala Ala Ala Ala Met Leu Phe Cys Gly Phe Ile Ile Leu Val Ile
                   80                  85                  90
Cys Phe Ile Leu Ser Phe Phe Ala Leu Cys Gly Pro Gln Met Leu
                   95                 100                 105
Val Phe Leu Arg Val Ile Gly Gly Leu Leu Ala Leu Ala Ala Val
                  110                 115                 120
Phe Gln Ile Ile Ser Leu Val Ile Tyr Pro Val Lys Tyr Thr Gln
```

```
                125                 130                 135
Thr Phe Thr Leu His Ala Asn Pro Ala Val Thr Tyr Ile Tyr Asn
                140                 145                 150
Trp Ala Tyr Gly Phe Gly Trp Ala Ala Thr Ile Ile Leu Ile Gly
                155                 160                 165
Cys Ala Phe Phe Phe Cys Cys Leu Pro Asn Tyr Glu Asp Asp Leu
                170                 175                 180
Leu Gly Asn Ala Lys Pro Arg Tyr Phe Tyr Thr Ser Ala
                185                 190


<210> 78
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3133035


<400> 78
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Leu Cys Lys Asn Phe Leu Lys Lys Trp Arg Met Lys Arg Glu Ser
                20                  25                  30
Leu Leu Glu Trp Gly Leu Ser Ile Leu Leu Gly Leu Cys Ile Ala
                35                  40                  45
Leu Phe Ser Ser Ser Met Arg Asn Val Gln Phe Pro Gly Met Ala
                50                  55                  60
Pro Gln Asn Leu Gly Arg Val Asp Lys Phe Asn Ser Ser Ser Leu
                65                  70                  75
Met Val Val Tyr Thr Pro Ile Ser Asn Leu Thr Gln Gln Ile Met
                80                  85                  90
Asn Lys Thr Ala Leu Ala Pro Leu Leu Lys Gly Thr Ser Val Ile
                95                 100                 105
Gly Ala Gln Ile Ile His Thr Trp Thr Lys Tyr Phe Trp Lys Ile
               110                 115                 120
Tyr Ile Cys Tyr Gly Asn His Leu
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<210> 79
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3436879


<400> 79
Met Ala Val Ala Val Leu Leu Cys Gly Cys Ile Val Ala Thr Val
  1               5                  10                  15
Ser Phe Phe Trp Glu Glu Ser Leu Thr Gln His Val Ala Gly Leu
                20                  25                  30
Leu Phe Leu Met Thr Gly Ile Phe Cys Thr Ile Ser Leu Cys Thr
```

```
                35                  40                  45
Tyr Ala Ala Ser Ile Ser Tyr Asp Leu Asn Arg Leu Pro Lys Leu
                50                  55                  60
Ile Tyr Ser Leu Pro Ala Asp Val Glu His Gly Tyr Ser Trp Ser
                65                  70                  75
Ile Phe Cys Ala Trp Cys Ser Leu Gly Phe Ile Val Ala Ala Gly
                80                  85                  90
Gly Leu Cys Ile Ala Tyr Pro Phe Ile Ser Arg Thr Lys Ile Ala
                95                  100                 105
Gln Leu Lys Ser Gly Arg Asp Ser Thr Val
               110                 115
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<210> 80
<211> 1869
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 153831

<400> 80

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gcatttgtga cacctacatt tccgtggctc ccttcttttc ccccgacccc tgtttatctc 240
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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 350629

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<210> 82
<211> 3079
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 729171

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cggagtcccc agtgggcttc gggcatatga gtactacagg atgtgtatta aataaattgt 240
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gctgtgattc actatcaaca gtttttgtgg ttcttggaac ttgtatagca gtgcagctgg 660
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<210> 83
<211> 1298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1273641

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<211> 2106
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1427389

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aaaaaa 2106

<210> 85
<211> 899
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1458357

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<211> 1858
<212> DNA
<213> Homo sapiens

<220>

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<212> DNA
<213> Homo sapiens

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<223> Incyte Clone No: 1877777

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<211> 1476
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<223> Incyte Clone No: 1932945

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<211> 1735
<212> DNA
<213> Homo sapiens

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<210> 101
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<212> DNA

<213> Homo sapiens

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<223> a or g or c or t, unknown, or other

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<211> 1451

<212> DNA
<213> Homo sapiens

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<222> 1346, 1373, 1430
<223> a or g or c or t, unknown, or other

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<223> Incyte Clone No: 2100530

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<223> Incyte Clone No: 2472514

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<213> Homo sapiens

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<211> 1397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3000380

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<211> 1581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 182532

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taaagttatc tgcacaagtt c 1581

<210> 116
<211> 1566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 239589

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aaaaaa 1566

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<211> 1815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1671302

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<210> 118
<211> 1566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2041858

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<210> 119
<211> 1055
<212> DNA
<213> Homo sapiens

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<221>
<222> 1032, 1037, 1042
<223> a or g or c or t, unknown, or other

<220>
<221> misc_feature
<223> Incyte Clone No: 2198863

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<210> 120
<211> 1956
<212> DNA
<213> Homo sapiens

<220>
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<222> 1893, 1896, 1899, 1906, 1911, 1921, 1926, 1927, 1928, 1929, 1932, 1935, 1940, 1948, 1950, 1951, 1953
<223> a or g or c or t, unknown, or other

<220>
<221> misc_feature
<223> Incyte Clone No: 3250703

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<210> 121
<211> 1737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 350287

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<213> Homo sapiens

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<212> DNA
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<211> 646
<212> DNA
<213> Homo sapiens

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<223> Incyte Clone No: 2314236

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taaagatagg cataaatagt tgtccttaga cttattcata caaatatagt catttacttc 540

tatgtagttt gagattctga gagttattcc aactttatga agattgattt caatgtgcct 600
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<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<210> 133
<211> 1922
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte Clone No: 2683149

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aa 1922

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<213> Homo sapiens

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<222> 814
<223> a or g or c or t, unknown, or other

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<221> misc_feature
<223> Incyte Clone No: 2774051

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ctagcttagt taatttaaat attgtttctt agtttctggg tcaattaaat ttaaatgatg 180
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tttgattaaa gagctgtggg tacagtatat tttataagca attttcatta gttcaaaaat 300
gttcctttag gctagattaa gcagccattc attgttagag cctggagacc ttattcgaag 360
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cacctgtcag tttccatcaa ctatagcaat ccatgcagaa gacaagaggc cccctcaaag 540
caggaggggt attgttttag gtccaatttt tcttattgtt ctcaaaatca ttataaggtg 600
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<212> DNA
<213> Homo sapiens

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<223> Incyte Clone No: 2869038

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<211> 443
<212> DNA
<213> Homo sapiens

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gcgatcagaa tttctgagat tatttatgtg actatttttg gaaaagtttc ttttgataaa 180
acatggattt attatatgaa attcttcttg cactgtatta caatatatgc tatgatatcc 240
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<211> 467
<212> DNA
<213> Homo sapiens

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<210> 138
<211> 902
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte Clone No: 2989375

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<212> DNA
<213> Homo sapiens

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<210> 140
<211> 1252
<212> DNA
<213> Homo sapiens

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<221> misc_feature
<223> Incyte Clone No: 3359559

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<211> 721
<212> DNA

<213> Homo sapiens

<220>
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<212> DNA
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<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
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<212> DNA
<213> Homo sapiens

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<223> Incyte Clone No: 2769412

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<213> Homo sapiens

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<221> misc_feature
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<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte Clone No: 3436879

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